

20010905.qrp v02_n303.qrl.20010905

Date: Wed, 5 Sep 2001 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2303

QRP-L Digest 2303

Topics covered in this issue include:

- 1) [106411] Adjusting a CB antenna to 10m
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 2) [106412] WTB: crystals for Drake 2-B and TR-5
by "Pat Byers" <pbyers@rttinc.com>
- 3) [106413] Re: Adjusting a CB antenna to 10m
by lhlousek <lhlousek@nvcbell.net>
- 4) [106414] Re: Huge NorCal Announcement at Riverside QRP Forum
by "John J. McDonough" <wb8rcr@arrl.net>
- 5) [106415] NoVaQRP Meeting Saturday
by "William K. Harding" <k4ahk@ix.netcom.com>
- 6) [106416] Re: R7 Antenna 911 Question
by "Mark M." <markem@cervnet.com>
- 7) [106417] Re: Huge NorCal Announcement at Riverside QRP Forum
by Lee Hopper <leehop@qwest.net>
- 8) [106418] Re: Adjusting CB antenna to 10m: SOURCE OF WHIPS?
by N0BN@aol.com
- 9) [106419] Spartan Sprint from KK6MC/5
by "James R. Duffey" <jamesd1@flash.net>
- 10) [106420] Ham Magazine Giveaway
by Radioham <radioham@home.com>
- 11) [106421] Re: Huge NorCal Announcement at Riverside QRP Forum
by "Rob Matherly" <kc0bom@arrl.net>
- 12) [106422] Re: Huge NorCal Announcement at Riverside QRP Forum
by "Steve McDonald" <jsm@gulfislands.com>
- 13) [106423] Re: R7 Antenna 911 Question
by "Larry Wise" <lewise@txwises.com>
- 14) [106424] Re: Isotron?
by Dave Sjolín <sjolin@swbell.net>
- 15) [106425] qlf
by "Rob Matherly" <kc0bom@arrl.net>
- 16) [106426] Antarctica HF Operations
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 17) [106427] Re: Adjusting a CB antenna to 10m
by "Dave Marling" <dbm@klis.com>
- 18) [106428] Re: Huge NorCal Announcement at Riverside QRP Forum
by Bruce Rattray <rattray@gpfn.sk.ca>
- 19) [106429] NC20 Mod Redux-Roofing Filter reworked

by "Rod Cercone, NØRC" <rod@n0rc.com>

20) [106430] Re: Huge NorCal Announcement at Riverside QRP Forum
by "Rod Cercone, NØRC" <rod@n0rc.com>

21) [106431] Re: Huge NorCal Announcement at Riverside QRP Forum
by "N8IE" <n8ie@woh.rr.com>

22) [106432] Re: WTB: crystals for Drake 2-B and TR-5
by <baltimoremd@baltimoremd.com>

23) [106433] FW: RE: Al Harbach, SK--Heath Parts Business Might Be Opportunity
for Someone
by "Craig W. Behrens" <craigwb@hiwaay.net>

24) [106434] FOX: Cub Hunt
by "Tom" <n1tp@worldnet.att.net>

25) [106435] Crazy idea
by "David & Jo Ann Lininger" <djlinin@positech.net>

26) [106436] Re: FOX: Cub Hunt
by "George, W5YR" <w5yr@att.net>

27) [106437] Re: Cub Hunt
by KC1FB <kc1fb@optonline.net>

28) [106438] Free Magazines
by Radioham <radioham@home.com>

29) [106439] FREE scope
by "T.W." <wb5qyt@abq.com>

30) [106440] Re: FOX: Cub Hunt
by Bruce Rattray <rattray@gpfn.sk.ca>

31) [106441] FOX -- KJ0C Needs Company...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

32) [106442] Cub Fox: Where is everybody?
by "Gary O. Lyons" <drgary@urx.com>

33) [106443] FOX Heard, not heard
by "Karl F. Larsen" <k5di@zianet.com>

34) [106444] Still no Gary NQ7T
by "Carter Craigie, N3A0" <n3ao@bee.net>

35) [106445] Re: Crazy idea
by Jim Campbell <jim-c@nc.rr.com>

36) [106446] QRP Dinner at the ARRL Southwestern Division Convention
by Jim Lowman <jmlowman@ix.netcom.com>

37) [106447] Q that forgotton thing
by "Karl F. Larsen" <k5di@zianet.com>

38) [106448] Re: Cub Fox: Where is everybody?
by Bruce Rattray <rattray@gpfn.sk.ca>

39) [106449] QRP-L CODE HOUR Reminder
by "Rod Cercone, NØRC" <rod@n0rc.com>

40) [106450] Re: Still no Gary NQ7T
by "Gary O. Lyons" <drgary@urx.com>

41) [106451] FOX: CUB HUNT
by "Tom" <n1tp@worldnet.att.net>

42) [106452] 20m Wierd Westward Propagation...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

43) [106453] Fox: Got 'im!!
by "TC Dufresne" <tdufresne@neb.rr.com>
44) [106454] Fox: Got him!
by "TC Dufresne" <tdufresne@neb.rr.com>
45) [106455] End of Summer PSK-31 Sprint
by Randy Foltz <rfoltz@turbonet.com>
46) [106456] Cub Fox Preliminary Log
by "Gary O. Lyons" <drgary@urx.com>
47) [106457] Fox -- Thanks for Another Fun Season!
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
48) [106458] Re: Isotron?
by "Leon Heller" <leon_heller@hotmail.com>
49) [106459] Re: Crazy idea
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
50) [106460] Re:Adjusting CB antenna to 10m: SOURCE OF WHIPS?
by "Mike Yetsko" <myetsko@insydesw.com>
51) [106461] Litthium battery for KNWD TS430S
by Wayne <aa5jj@swbell.net>
52) [106462] Re: Litthium battery for KNWD TS430S
by "w8diz" <w8diz@fpqrp.com>
53) [106463] Parts Help
by "w8diz" <w8diz@fpqrp.com>
54) [106464] Icom 706MKII
by "Tim A. King Jr." <iflyos@hotmail.com>
55) [106465] Re: Crazy idea
by "Brian" <brian@iquest.net>
56) [106466] Re: Crazy idea
by Bruce Muscolino <w6toy@erols.com>
57) [106467] Re: Icom 706MKII
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
58) [106468] Re: Crazy idea
by <baltimoremd@baltimoremd.com>
59) [106469] Huge NorCal Announcement at Riverside QRP Forum
by kcieslak <kcieslak@execpc.com>
60) [106470] Re: Crazy idea
by Jim Campbell <jim-c@nc.rr.com>
61) [106471] NEQRP SSB NET results
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
62) [106472] Re:Thanks for Responses to 'High' Vertical and R7 question
by rhiller@sysdev.com (Rick Hiller)
63) [106473] FREE SCOPE
by Brad Mitchell <n8yg@yahoo.com>
64) [106474] Re: Thanks for Responses to 'High' Vertical and R7 question
by "Mark J. Dulcey" <mark@buttery.org>
65) [106475] Thanks for all the info on the Lithium battery
by Wayne <aa5jj@swbell.net>
66) [106476] Re: Litthium battery for KNWD TS430S
by "Robert Friess" <rfriess@attglobal.net>

- 67) [106477] RS 12Vdc Charger for AA NiMH cells @ US\$15
by "Ronald C. McConnell" <rcmcc@earthlink.net>
- 68) [106478] Re: Crazy idea
by "ZOOM" <kandrparker@sympatico.ca>
- 69) [106479] Colo QRP Club Meeting Sept. 15
by "AB0CD" <ab0cd@uswest.net>
- 70) [106480] Portable SW Receivers
by "Mark Mohr" <themohrs@fuse.net>
- 71) [106481] FS: IC706 \$500
by "AB0CD" <ab0cd@uswest.net>
- 72) [106482] Elecraft K2, serial # 2264
by Oscar A Hoyt <k5ubs@juno.com>
- 73) [106483] Re: Pixie II: Elmering needed
by delphinus@brightok.net
- 74) [106484] Re: Crazy idea
by DK3RED@t-online.de (Ingo DK3RED)
- 75) [106485] Re: Crazy idea
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 76) [106486] Re: Parts Help
by "Trevor Jacobs" <fxtech@earthlink.net>
- 77) [106487] Preliminary Cub Fox log
by "Jim Crooke" <crooke@prodigy.net>
- 78) [106488] Re : those portable SW receivers
by "Mark Mohr" <themohrs@fuse.net>
- 79) [106489] Code Warrior Jr. Adjustment
by "Alex Turner" <aturner13@triad.rr.com>
- 80) [106490] Re: Crazy idea
by "Larry Spinner" <n2icz@hotmail.com>
- 81) [106491] Re : those portable SW receivers
by Mighty Mik <mightymik2@home.com>
- 82) [106492] Re: those portable SW receivers
by "Rob Matherly" <kc0bom@arrl.net>
- 83) [106493] Re: Re : those portable SW receivers
by "Leon Heller" <leon_heller@hotmail.com>
- 84) [106494] Re: Re : those portable SW receivers
by "Mike Malone" <mmalone@worldlogon.com>
- 85) [106495] Re: Portable SW Receivers
by "Leon Heller" <leon_heller@hotmail.com>
- 86) [106496] SOC Sprint Certificate Needed
by Bob Patten <n4bp@yahoo.com>
- 87) [106497] Re: SOC Sprint Certificate Needed
by "Ham" <k1vp@grizzly.com>
- 88) [106498] Re: those portable SW receivers
by "ZOOM" <kandrparker@sympatico.ca>
- 89) [106499] Outbacker and FT-817
by "Larry Spinner" <n2icz@hotmail.com>
- 90) [106500] Re: Outbacker and FT-817
by "Rod Cerkoney, N0RC" <rod@n0rc.com>

- 91) [106501] Baluns a new perspective
by "Karl F. Larsen" <k5di@zianet.com>
- 92) [106502] XM-2 Tuner
by "Karl F. Larsen" <k5di@zianet.com>
- 93) [106503] Re: Powdered Iron Cores!!!!
by Bill Coleman <aa4lr@arrl.net>
- 94) [106504] Contact Cleaner Question
by Pete Burbank <plburbank@kih.net>
- 95) [106505] Re: Powdered Iron Cores!!!!
by Bill Coleman <aa4lr@arrl.net>
- 96) [106506] MFJ-407c - need parts info
by John Wagner <john@wagner-usa.net>
- 97) [106507] Re: Powdered Iron Cores!!!!
by "Karl F. Larsen" <k5di@zianet.com>
- 98) [106508] Re: Crazy idea
by "Jason Nochlin" <jman0iin@home.com>
- 99) [106509] Re: Powdered Iron Cores!!!!
by cherry@getnet.net
- 100) [106510] Re: Baluns a new perspective
by "Mike Branca" <w3irz@att.net>
- 101) [106511] Re: Powdered Iron Cores!!!!
by Bill Coleman <aa4lr@arrl.net>
- 102) [106512] Re: Powdered Iron Cores!!!!
by Bill Coleman <aa4lr@arrl.net>
- 103) [106513] Re: Baluns a new perspective
by "Karl F. Larsen" <k5di@zianet.com>
- 104) [106514] Re: Resonant vs. Nonresonant Antenna
by Bill Coleman <aa4lr@arrl.net>
- 105) [106515] Re: Contact Cleaner Question
by William R Colbert <w5xe@juno.com>

Date: Tue, 4 Sep 2001 18:11:08 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <bdh@cyberbound.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [106411] Adjusting a CB antenna to 10m
Message-ID: <020c01c13596\$e123f080\$4e100a0a@rohredt2000>

Before cutting any, try sliding the rod all the way in and check the SWR with low power on 10m. Perhaps you can operate at least the lower part of the SSB band without cutting.

To cut those whip rods takes a three corner file scratching the rod well all around, then clamping it in a vise or vise grip pliers and gripping with another vise grip and snapping the rod off. Wear eye protection when doing this.

You can get first approximation to what shortening you will need by seeing what ratio the middle of the 11m CB band is to the start of the SSB band on 10m.

the percentage frequency difference is what length difference would theoretically be needed to be altered, however the coupling effects of the loading coil can affect things as well.

Another no cut idea, is to make up a can with a variable cap in it in series with the coax center leads of two coax connectors, place this close to the whip base, and tune the cap to electrically shorten the antenna. However with a tapped base coil as these whips have, this may affect the match of the coax to the coil adversely, so this may not work. If you did not tap up on the coil, this would work and was used in old days to get around on 75 m with an extra long whip.

Another no cut method of finding out how much to cut, is to get some piano wire or other stiff wire, and sub it for the whip. Start out with the wire same length as the whip, and watch 10m ssb band swr go down as you cut a quarter inch at a time. AS you get close to desired resonance, you need to make cuts of only 1/8 inch. That way, with sacrificial wire, you have not lost anything if you goof and over cut during the cut and try with the sub whip material. Stiff solid electric wire could also be used in some cases. Turn off the rig while cutting! IE do not transmit continuously.

Once you have the whip length giving a good match, then score the original whip and make it that length, but leave some extra for adjustment and clamping in the base ferrule.

72,

Stuart K5KVH

Date: Tue, 4 Sep 2001 17:35:40 -0600
From: "Pat Byers" <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106412] WTB: crystals for Drake 2-B and TR-5
Message-ID: <GNECLIKF AJLGJPJHIEGOGEGBCBAA.pbyers@rttinc.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know this is a long shot but here goes . . .

I'd like to put my 2-B receiver and TR-5 transceiver on the WARC bands and

need the following crystals:

2-B - 14.0 MHz, 14.5 MHz, and 21.0 MHz (overtone)

I don't remember the holder designation for the 2-B but it's the really old style used in a lot of boat anchors.

TR-5 - 19.1 MHz and 35.6 MHz

The holder type for the TR-5 crystals is HC-25/U and the manual specifies series resonant type with a series resistance of less than 30 Ohms.

Thanks for the bandwidth.

73,

Pat Byers VE6AAN

Date: Tue, 04 Sep 2001 16:52:51 -0700
From: lhlousek <lhlousek@nvhbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106413] Re: Adjusting a CB antenna to 10m
Message-ID: <019801c1359c\$b73293c0\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

A very good way to cut hardened whips is with an abrasive cutoff wheel. There are small ones available for Dremel tools and I've used one to shorten the shank on a 3/8" drill bit among many other things. It will make very quick work of a whip.

Lou W7DZN

Date: Tue, 4 Sep 2001 19:55:11 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106414] Re: Huge NorCal Announcement at Riverside QRP Forum

Message-ID: <00a601c1359d\$0e70dde0\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Mike - I'm sure Doug will come to Findlay the following day for us on the right side of the map if we were to ask him nice <g>

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Michael Bower" <bowerm@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, September 04, 2001 5:08 PM
Subject: Re: Huge NorCal Announcement at Riverside QRP Forum

> NOT FAIR! NOT FAIR!
>
> I doubt if I can get a kitchen pass to buy a ticket to Riverside but,
> boy, is it tempting.
>
> Doug, don't hold the rest of in suspense too long. Not all of us can
> come in person.
>
> Michael N4NMR

Date: Tue, 04 Sep 2001 20:26:50 -0400
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "qrp-l mail" <qrp-l@lehigh.edu>
Subject: [106415] NoVaQRP Meeting Saturday
Message-ID: <200109050024.UAA15489@johnson.mail.mindspring.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

This coming Saturday, Sept. 8, is the next gathering of the Northern Virginia QRP Group. Come to Mama's restaurant at Fairfax circle for pizza salad and fun sometime after 11:30am. Wear your call sign badge if you have one and bring a QSL card for the member log if you haven't already.

We had 24 members at the July gathering. Let's see if we can top it this time.

Who's planning to venture out for the QRP Afield event?

Directions to Mama's Restaurant:

This one is easy to find. First, get to Fairfax Circle. This is a traffic circle at the crossroads of Routes 29, 50 and 237 on the Northeast side of Fairfax City. This circle is about five miles West of the Beltway on Rt 50. Mama's is a block West of the circle on Rt 50, next door to the Harley Davidson dealership and on the same side of the road. You can't miss it. Lots of free parking.

If you are coming from Interstate 66, take the Nutley Street exit South to RT 29 and go Southwest to Fairfax Circle. The Nutley Street exit is where the last subway station is located.

Hope we see you there. Bring your favorite toys for show and tell.

Bill - K4AHK

Date: Tue, 04 Sep 2001 17:26:37 -0700
From: "Mark M." <markem@cervnet.com>
To: qrp-l@lehigh.edu
Subject: [106416] Re: R7 Antenna 911 Question
Message-ID: <3.0.6.32.20010904172637.007ece80@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I believe it's SUPPOSED to show zero resistance to ground. It bleeds off static charges that way. It's thru an RF choke, tho, so it's not an RF short to ground. At least my R-7000 is that way, as well as every other vertical I've owned. If you're measuring it with a VOM it will show a short. What happens when you put RF to it?

73... Mark AA7TA

At 17:02 09/04/2001 EDT, you wrote:

>Help,

> My beloved R7 suddenly developed a short to ground when resistance is being measured across the female 259 jack. Any suggestions as to what usually causes this problem? ...

Date: Tue, 04 Sep 2001 17:27:19 -0700
From: Lee Hopper <leehop@qwest.net>
To: qrp-l@Lehigh.EDU
Subject: [106417] Re: Huge NorCal Announcement at Riverside QRP Forum
Message-ID: <3B957167.7090409@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

C'mon, guys, we can figure this one out - this time Ole Doug has tipped his hand! What could possibly involve all these players? It doesn't seem they could all collaborate on a radio kit - or could they? Could this be the long-awaited all-band surface mount kit?

Or is it something more encompassing - like a qrp standard of some sort - have they allied to get "qlf" added the official ARRL operating manual?

Or what?...

Lee Hopper, KD7CTF

Doug Hendricks wrote in part:

> it involves Elecraft, Red Hot Radio, Small Wonder Labs, Super
> Antennas, Blue Sky Engineering, MFJ, NJ QRP Club, Arizona ScQRPions, St.
> Louis QRP Club, Ft. Smith QRP Group and NorCal.
>

Date: Tue, 4 Sep 2001 20:44:11 EDT
From: NOBN@aol.com
To: qrp-l@lehigh.edu
Subject: [106418] Re:Adjusting CB antenna to 10m: SOURCE OF WHIPS?
Message-ID: <45.bac1ee4.28c6cf5b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Speaking of cutting a CB antenna for 10 M, does anyone know of inexpensive source for such rods of various lengths suitable for such adaptation other than Ham or CB shops?

Daniel n0bn

Date: Tue, 04 Sep 2001 18:44:20 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [106419] Spartan Sprint from KK6MC/5
Message-ID: <B7BAD184.D44E%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The Spartan Sprint last night was fantastic. The bands were open and there was lots of activity. I started on 15 M until activity died after 20 minutes then switched to 20 M. Activity on 20 M slowed about 15 min before the end of the contest so I went to 40 M, but there wasn't much activity and the QRN was bad there.

I ended up with:

7 contacts on 15 M with 5 SPCs

49 contacts on 20 M with 24 SPCs.

Not bad for 2 hours and 5 watts. Halfway to WAS! - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Tue, 04 Sep 2001 20:45:13 -0400
From: Radioham <radioham@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: NoVaQRP@topica.com
Subject: [106420] Ham Magazine Giveaway
Message-ID: <5.0.2.1.0.20010904203830.009f9a90@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I'm running out of room - about 80 CQ, QST and 73 magazines dating from 1996 to 2000 - give away to anyone who wants to pick them up in Reston, VA. Other choice is the recycling bin. You know you have too many magazines when the bookshelf starts to sag in the middle.

First offer takes all :-). Someone must need to catch up on their reading.

72/73,

Steve, N4EUK

Reston, VA (about 25 miles due west of Washington, DC)

Date: Tue, 4 Sep 2001 19:46:19 -0500
From: "Rob Matherly" <kc0bom@arrl.net>
To: <leehop@qwest.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106421] Re: Huge NorCal Announcement at Riverside QRP Forum
Message-ID: <005101c135a4\$2e7df580\$a611a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Pardon my "greenness" here, but what does qlf mean?

72/73

Rob, kc0bom

----- Original Message -----
From: Lee Hopper <leehop@qwest.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, September 04, 2001 7:27 PM
Subject: Re: Huge NorCal Announcement at Riverside QRP Forum

C'mon, guys, we can figure this one out - this time Ole Doug has tipped his hand! What could possibly involve all these players? It doesn't seem they could all collaborate on a radio kit - or could they? Could this be the long-awaited all-band surface mount kit?

Or is it something more encompassing - like a qrp standard of some sort - have they allied to get "qlf" added the official ARRL operating manual?

Or what?...

Lee Hopper, KD7CTF

Doug Hendricks wrote in part:

> it involves Elecraft, Red Hot Radio, Small Wonder Labs, Super
> Antennas, Blue Sky Engineering, MFJ, NJ QRP Club, Arizona ScQRPions, St.
> Louis QRP Club, Ft. Smith QRP Group and NorCal.
>

Date: Tue, 4 Sep 2001 17:51:20 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106422] Re: Huge NorCal Announcement at Riverside QRP Forum
Message-ID: <001501c135a4\$e17f2780\$9a4bfea9@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Maybe it's a 50% off purchase price if you are on QRP-L :>)

VE7SL

> C'mon, guys, we can figure this one out - this time Ole Doug has tipped
> his hand! What could possible involve all these players? >
> Lee Hopper, KD7CTF
>
> Doug Hendricks wrote in part:
>
> > it involves Elecraft, Red Hot Radio, Small Wonder Labs, Super
> > Antennas, Blue Sky Engineering, MFJ, NJ QRP Club, Arizona ScQRPions, St.
> > Louis QRP Club, Ft. Smith QRP Group and NorCal.
> >
>

Date: Wed, 05 Sep 2001 01:15:30 +0100
From: "Larry Wise" <lewise@txwises.com>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [106423] Re: R7 Antenna 911 Question
Message-ID: <200109050112.UAA78490@aoot.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Michael:

Are you sure that this is a problem?

I'm not sure about the R7, but most commercial vertical antennas of this type have an RFC to ground for static protection, and will show a short to ground with a resistance test across the coax connector....

FYI

Larry KA5T
Georgetown Texas

On Tue, 04 Sep 2001 17:02:55 EDT, Wa2ocg@aol.com wrote:

>Help,
> My beloved R7 suddenly developed a short to ground when resistance is being measured across the female 259 jack. Any suggestions as to what usually causes this problem? I had
...

Date: Tue, 04 Sep 2001 20:12:22 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: fernie@ke4mai.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106424] Re: Isotron?
Message-ID: <3B957BF5.A1AC0C05@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Fernie Williams wrote:

>
> Hi,
> I am looking for any comments for actual users of the Isotron family of
> antennas. I realize that everything is a compromise, so I am looking
> for comments from those that have actually used this tyoe of antenna -

> especially those that used them in the attic. I am considering a house
> change and all of the new stuff, of course, is restrictive. So, if this
> becomes the direction we move toward, I will need to find a compromising
> antenna system...

Suggest that you check some of the archives. That topic came up for the umpteenth time just a week or two ago on the Elecraft reflector and the antenna newsgroup. both have searchable archives. QST also ran a review of it along with several other small antennas a couple years ago. Results are on the ARRL Members Only website in PDF format.

PS there are also many favorable reviews on eham.com.

Some say the Isotron is no better than a dummy load. I think its better than that if you can get it up in the clear. Down maybe an s-unit or two. I played with a 40 meter Isotron some ten to fifteen years ago. I worked many stations with the antenna located in my BASEMENT, below ground level. I even worked Cuba qrp one night. Several days later I took the antenna out and had it five feet above my deck (maybe 12 feet above ground level) and I worked French Polynesia qrp from here in St. Louis. Is it a dx antenna? No. My butternut HF2V antenna standing 32 feet tall with mucho mucho radials is much better radiator. Does it work. Yes.

If its all you can fit in that attic or in your available space, go for it. I wish I had had one when I lived in a high rise in Chicago. My 200 ft. height probably would have offset the losses from its small size.

73 de Dave, N0IT

Date: Tue, 4 Sep 2001 20:16:00 -0500
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106425] qlf
Message-ID: <02ab01c135a8\$5417ac60\$a611a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ahh... thanks to the guys who responded. I've ran into quite a few people like that... :-)

72/73

Rob, kc0bom

Date: Tue, 04 Sep 2001 18:25:45 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>
Subject: [106426] Antarctica HF Operations
Message-ID: <3B957F19.973C726D@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

----- Original Message -----
Subject: [Elecraft] Antarctica HF Operations
Date: Tue, 4 Sep 2001 20:23:56 -0400
From: "Veatch, James C. (JCV)" <JCV@arinc.com>
Reply-To: "Veatch, James C. (JCV)" <JCV@arinc.com>

Hello Everyone,

I've been having a blast, working lot's of stations. Worked a few K2-K2 and K1-K2 contacts on CW and SSB. I'm going up to the shack tomorrow evening so maybe I can work a few more. Listen for me around 14040 kHz at 0500Z on CW and around 14250 kHz at 0530Z on SSB 9/6/01. The SSB the voice tends to degenerate into a pile-up pretty quickly if the band is open but I'll do some K2 only calls, just for fun.

Hope to hear you.
73's
Jim WA2EUJ (KC4USV)

Date: Tue, 4 Sep 2001 22:25:59 -0300
From: "Dave Marling" <dbm@klis.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106427] Re: Adjusting a CB antenna to 10m
Message-ID: <002401c135a9\$b8967da0\$c9aae2d1@klis.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

One of the tricks is to measure the reflected power with the regular whip in place. Next twist a couple of turns of #14 copper house wire (without insulation) around the tip of the whip and extend it an inch or two. Measure the reflected power once again and note whether it increases or

decreases. If the reflected power decreases then you need a longer whip. If it goes down then you can start cutting the copper in quarter inch increments, measuring reflected power after each cut. If you get to the original whip and it is still decreasing use a bench grinder (or file and snap - hard way!) to remove quarter inch segments until the reflected power reading starts to flatten off. Then switch to 1/8" segments until there is no further reduction in two consecutive measurements.

Dave
VE1VQ

Date: Tue, 4 Sep 2001 19:33:57 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Michael Bower <bowerm@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106428] Re: Huge NorCal Announcement at Riverside QRP Forum
Message-ID: <Pine.LNX.4.33.0109041932140.32740-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Be patient fellow grasshopper....most of us cannot be there... ;-)

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
QRP Borg#1
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

On Tue, 4 Sep 2001, Michael Bower wrote:

> NOT FAIR! NOT FAIR!
>
> I doubt if I can get a kitchen pass to buy a ticket to Riverside but,
> boy, is it tempting.
>
> Doug, don't hold the rest of in suspense too long. Not all of us can
> come in person.
>
> Michael N4NMR
>

Date: Tue, 4 Sep 2001 19:41:58 -0600

From: "Rod Cercone, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106429] NC20 Mod Redux-Roofing Filter reworked
Message-ID: <01a301c135ab\$f4025d80\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In a mod documented in QRPP, Autumn 1999. Gary Surrency and Dave Meham suggest a 120 ohm resistor in series with C36. This is part of the "Roofing Filter" mod.

I tinkered with the 120 ohm value and have settled on 47 ohms for my radio. I note better weak signal audio, and overall a more "lively" audio quality.

For those interested the details are at:

http://www.qsl.net/n0rc/nc20-mods/nc20-mod-redux_1.html

73, Rod N0RC
Ft Collins, CO

Date: Tue, 4 Sep 2001 19:46:39 -0600
From: "Rod Cercone, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106430] Re: Huge NorCal Announcement at Riverside QRP Forum
Message-ID: <01cb01c135ac\$9b70ea00\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Following on heels of the HP buys Compaq news; I'll bet these kit manufactures have gone in together and are going to buy Icom, Yaesu or Kenwood, then offer those radios as kits. ;-)

73, Rod N0RC
Ft Collins, CO

----- Original Message -----
From: "Lee Hopper" <leehop@qwest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, September 04, 2001 6:27 PM
Subject: Re: Huge NorCal Announcement at Riverside QRP Forum

> C'mon, guys, we can figure this one out - this time Ole Doug has
tipped
> his hand! What could possibly involve all these players? It doesn't
seem
> they could all collaborate on a radio kit - or could they? Could
this be
> the long-awaited all-band surface mount kit?
>
> Or is it something more encompassing - like a qrp standard of some
sort
> - have they allied to get "qlf" added the official ARRL operating
manual?
>
> Or what?...

Date: Tue, 4 Sep 2001 21:59:23 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [106431] Re: Huge NorCal Announcement at Riverside QRP Forum
Message-ID: <008501c135ae\$65b49680\$0300a8c0@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't think so Rod, why would Elcraft, Ten Tec, ect. lower the quality of
their products.

72, oo

Dan, N8IE

FPqrp-1 #-6, FISTS #4985

I have a SOC # but I forgot it.

----- Original Message -----

From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, September 04, 2001 9:46 PM
Subject: Re: Huge NorCal Announcement at Riverside QRP Forum

> Following on heels of the HP buys Compaq news; I'll bet these kit
> manufactures have gone in together and are going to buy Icom, Yaesu or
> Kenwood, then offer those radios as kits. ;-)
>
> 73, Rod NØRC
> Ft Collins, CO
>
> ----- Original Message -----
> From: "Lee Hopper" <leehop@qwest.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Tuesday, September 04, 2001 6:27 PM
> Subject: Re: Huge NorCal Announcement at Riverside QRP Forum
>
>
> > C'mon, guys, we can figure this one out - this time Ole Doug has
> tipped
> > his hand! What could possible involve all these players? It doesn't
> seem
> > they could all collaborate on a radio kit - or could they? Could
> this be
> > the long-awaited all-band surface mount kit?
> >
> > Or is it something more encompassing - like a qrp standard of some
> sort
> > - have they allied to get "qlf" added the official ARRL operating
> manual?
> >
> > Or what?...

Date: Tue, 4 Sep 2001 22:01:44 -0400 (EDT)
From: <baltimoremd@baltimoremd.com>
To: Pat Byers <pbyers@rttinc.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106432] Re: WTB: crystals for Drake 2-B and TR-5
Message-ID: <Pine.BSI.4.05L.10109042200010.1935-1000000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Sep 2001, Pat Byers wrote:

> I know this is a long shot but here goes . . .
>
> I'd like to put my 2-B receiver and TR-5 transceiver on the WARC bands and
> need the following crystals:

<http://www.zerobeat.net/>

Check the drakelist area...there's a classified ad section.

Or, send email to
drakelist-request@baltimoremd.com
subject: subscribe

drake mailing list...lot's of folks who are willing to help.

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Tue, 4 Sep 2001 21:18:17 -0500
From: "Craig W. Behrens" <craigwb@hiwaay.net>
To: "QRP-L QRP-L" <qrp-l@Lehigh.EDU>
Subject: [106433] FW: RE: Al Harbach, SK--Heath Parts Business Might Be Opportunity for Someone
Message-ID: <LPBBIKBNB00LHAAJAHJGCEKNCJAA.craigwb@hiwaay.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Saw this and thought I would place it on the site in case anyone might be interested.

72/73 & DX,
Craig W. Behrens--NM4T
Madison, AL

-----Original Message-----

From: n4kg@juno.com [mailto:n4kg@juno.com]
Sent: Tuesday, September 04, 2001 4:36 PM
To: AB4JI@aol.com; Robert.Striegl@exeloncorp.COM; K4AB@MSN.COM;

K4NO@Home.com; K4XR@Yahoo.Com; bavery@telemetry.com; k8ej@ix.netcom.com;
ke4rna@Bellsouth.net; JCW@HIWAAY.NET; n4ar@iglou.com;
JERRY.L.CROSS@TBE.COM; n8lj@usol.com; CRAIGWB@HIWAAY.NET;
W4NL_KA4S@CharterTN.net; BFAY@HIWAAY.NET; KNCN674@aol.com; W8FJ@aol.com;
n4www@ix.netcom.com; K8CH@Voyager.net
Subject: Fw: RE: Al Harbach

----- Forwarded message -----
From: "Lindquist, Rick, N1RL" <rlindquist@arrl.org>
To: "'n4kg@juno.com'" <n4kg@juno.com>
Date: Tue, 4 Sep 2001 14:01:05 -0400
Subject: RE: Al Harbach

QSL, Tom. Well, it looks like DX Engineering (www.dxengineering.com/) is taking over his antenna hardware biz; someone should pick up the Heath parts too.

Thanks again.

73 Rick N1RL

~~~~~  
Rick Lindquist, N1RL  
Senior News Editor  
ARRL--The National Association for Amateur Radio  
860-594-0222  
n1rl@arrl.org  
See Late-Breaking Amateur Radio News at <http://www.arrl.org/>  
Read Amateur Radio News in The ARRL Letter at  
<http://www.arrl.org/arrlletter>  
Hear Amateur Radio News on ARRL Audio News at  
<http://www.arrl.org/arrlletter/audio/>  
(or call 860-594-0384)  
~~~~~

-----Original Message-----
From: n4kg@juno.com [mailto:n4kg@juno.com]
Sent: Tuesday, September 04, 2001 1:47 PM
To: rlindquist@arrl.org
Cc: g4bue@thersgb.net
Subject: Re: Al Harbach

Hi Rick,

I have no idea. I sure hope someone will pick it up.
He was a great source for badly needed replacement parts
and some clever antenna parts.

Tom N4KG

On Tue, 4 Sep 2001 "Lindquist, Rick, N1RL" <rlindquist@arrl.org> writes:

> Hi, Tom
>
> Someone forwarded an e-mail regarding Al Harbach's passing. Just
> wanted to
> double check the info. Do you know if someone will be taking over
> Al's ham
> radio business?
>
> 73
>
> ~~~~~
> Rick Lindquist, N1RL
> Senior News Editor
> ARRL--The National Association for Amateur Radio
> 860-594-0222
> n1rl@arrl.org
> See Late-Breaking Amateur Radio News at <http://www.arrl.org/>
> Read Amateur Radio News in The ARRL Letter at
> <http://www.arrl.org/arrlletter>
> Hear Amateur Radio News on ARRL Audio News at
> <http://www.arrl.org/arrlletter/audio/>
> (or call 860-594-0384)
> ~~~~~
>
>

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 4 Sep 2001 21:23:53 -0400
From: "Tom" <n1tp@worldnet.att.net>
To: "qrp-1@Lehigh.EDU" <QRP-L@LEHIGH.EDU>
Subject: [106434] FOX: Cub Hunt
Message-ID: <000701c135a9\$6d9040c0\$30994d0c@tom>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

KJ0C is loud and clear.

Does anyone hear NQ7T?
I don't hear him or any hounds calling him.

Tom, N1TP
Naples, Florida

Date: Tue, 4 Sep 2001 21:22:21 -0500
From: "David & Jo Ann Lininger" <djlinin@positech.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106435] Crazy idea
Message-ID: <3B95460D.5811.191945D@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Friends:

I teach in a high school which does not permit students to carry cell phones or pagers during school. Today during lunch I noticed a student with a cell phone, and I wondered how many more students had them with. I got to wondering if there was a very low power transmitter that I could activate that would make them all ring at once.

Yes, I know it would probably be illegal, and it certainly would be a dirty trick, but I'll bet the looks on the kids faces would be priceless.

Anyone have any ideas?

73

David, KBOZKE
kb0zke@arrl.net

Date: Tue, 04 Sep 2001 21:22:54 -0500
From: "George, W5YR" <w5yr@att.net>
To: n1tp@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106436] Re: FOX: Cub Hunt
Message-ID: <3B958C7E.C55E2683@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom, you are stronger than skunk as always, but I can only faintly hear KJ0C in the noise and not a sniff of WA, not even any Hounds. Just no propagation here tonight on 20 - very few stateside stations and practically no DX being heard.

Tough way to end the Cub Hunts, but maybe things will pick up later on.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Tom wrote:

>
> KJ0C is loud and clear.
>
> Does anyone hear NQ7T?
> I don't hear him or any hounds calling him.

Date: Tue, 04 Sep 2001 22:25:19 -0400
From: KC1FB <kc1fb@optonline.net>
To: n1tp@worldnet.att.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106437] Re: Cub Hunt
Message-ID: <00ea01c135b2\$02c99260\$6401a8c0@tp760e>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Yes KJ0C is very strong here in CT, but nothing heard from NQ7T.

Jim Francoeur KC1FB
Norwalk, CT

----- Original Message -----

From: "Tom" <n1tp@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, September 04, 2001 21:23 PM
Subject: FOX: Cub Hunt

KJ0C is loud and clear.

Does anyone hear NQ7T?
I don't hear him or any hounds calling him.

Tom, N1TP
Naples, Florida

Date: Tue, 04 Sep 2001 22:29:07 -0400
From: Radioham <radioham@home.com>
To: djlinin@positech.net,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106438] Free Magazines
Message-ID: <5.0.2.1.0.20010904222753.009fd1e0@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thank you for all the responses. An area local has spoken for them.

72/73,

Steve, N4EUK

Date: Tue, 4 Sep 2001 20:09:14 -0600
From: "T.W." <wb5qyt@abq.com>
To: <qrp-1@lehigh.edu>
Subject: [106439] FREE scope
Message-ID: <MABBIKAEJNPMOAJMBKJJIEHJCDA.wb5qyt@abq.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

Since Bob AB5ZD is giving away a scope, I will too!

1 ea. Tektronix 535 with type 53 " scope mobile" and manual and probes.
Worked last time I used it, but is taking up lots of space in my garage.

Will not ship....pick up only, or will bring to Flag hamfest next summer if
I attend.

72, Tom WB5QYT....."Have spud will travel!"

Date: Tue, 4 Sep 2001 20:31:44 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Tom <n1tp@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106440] Re: FOX: Cub Hunt
Message-ID: <Pine.LNX.4.33.0109042031280.4617-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

don't hear NQ7T at all....no hounds either....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
QRP Borg#1
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Tue, 4 Sep 2001 21:31:51 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [106441] FOX -- KJ0C Needs Company...
Message-ID: <200109050231.AA00733@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Jim's been calling CQ for quite a while now. He's a solid 599 here. The band seems on the short side tonight, as he was a one-shot kill with 250 mW. Anyone heard anything of NQ7T?

72/73,

Todd, AG0T

Date: Wed, 5 Sep 2001 02:34:30 -0700
From: "Gary O. Lyons" <drgary@urx.com>
To: <qrp-l@Lehigh.EDU>
Subject: [106442] Cub Fox: Where is everybody?
Message-ID: <000101c135ed\$f7d5f4c0\$70d56bce@G_Lyons>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="utf-8"
Content-Transfer-Encoding: 7bit

It's the last chance for a summertime Cub Fox hunt. I can hear Jim/KJ0C with no takers. I have had ZERO so far. But, there are lots of other folks out there calling CQ with some QSOs going on so I know the band isn't completely dead.

Maybe this is more of Jim/AL7FS' one way propagation.

I would like to give away a few pelts tonite.

Gary/NQ7T

Date: Tue, 4 Sep 2001 20:49:43 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [106443] FOX Heard, not heard
Message-ID: <Pine.LNX.4.33.0109042047130.1667-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got KJ0C on the first call because he was 579 on my 6 element beam. But been listening for NQ7T at around 14.061 and hear NOTHING. Wonder if Gary had a problem?

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Tue, 4 Sep 2001 22:48:38 -0400
From: "Carter Craigie, N3AO" <n3ao@bee.net>
To: "Low Power Amateur Discussion" <qrp-1@Lehigh.EDU>
Subject: [106444] Still no Gary NQ7T
Message-ID: <008b01c135b5\$454fe0a0\$a060c441@satellite>

Nothing I can hear from Gary at my QTH in southeastern PA...

722,

Carter Craigie N3AO
5 Faggs Manor Lane
Paoli, PA 19301-1905
n3ao@arrl.net

Date: Tue, 04 Sep 2001 22:51:09 -0400
From: Jim Campbell <jim-c@nc.rr.com>
To: qrp-1@lehigh.edu
Subject: [106445] Re: Crazy idea
Message-ID: <3B95931C.6D4B68F0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

I once heard of a device that would transmit a low-power signal that would tell the cell phones nearby that there was no cell tower available or that the cell towers were busy. Perhaps it blocked the cell tower signal. It didn't make sense to me. The intent was for people who got annoyed in restaurants by nearby cell phone conversations to be able to enjoy some peace and quiet. The existence of such a device may have been another urban legend. It also might have been illegal <G>.

I just received confirmation of my K2 order, so I am eagerly awaiting the arrival of my kit in a few days.

72/73

Jim Campbell
W4BQP

David & Jo Ann Lininger wrote:

> . I got to wondering if there was a very low
> power transmitter that I could activate that would make them all
> ring at once.

Date: Tue, 04 Sep 2001 19:54:30 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: QRP-L@lehigh.edu
Subject: [106446] QRP Dinner at the ARRL Southwestern Division Convention
Message-ID: <3B9593E6.5A48EB03@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Response to the Friday evening QRP dinner at the Riverside convention has been excellent; 27 so far!

I have reserved a section of the restaurant where we can be reasonably close together, to facilitate conversation.

To ensure that everyone gets his or her dinner at about the same time, we are asked to order one of eight combination dinners, all between \$6.95 and \$8.25:

- 1) taco & cheese enchilada - 6.95
- 2) two chile rellenos - 7.99
- 3) two enchilada rancheras - 8.25
- 4) cheese enchilada and relleno - 7.99
- 5) tamale and taco - 7.99
- 6) cheese enchilada and tamale - 7.99
- 7) two taquitos - 5.99
- 8) beef or chicken flautas - 6.95

Since everything will be on one check, please try to have an amount close to your dinner and beverage total plus 15% gratuity and 7.75% tax. The usual beverages (coffee, iced tea, sodas, juice and Mexican drinks) as well as beer, margaritas and the like are available at extra cost.

The plan is to meet in the lobby of the Holiday Inn at about 6:30 to depart for the restaurant. Carpooling is encouraged, as parking is limited. I can take three in my car.

The reservation is for 7:00.

For those driving, I will have maps available.

So far, I have the following QRPers confirmed:

(If anyone can get in touch with Jerry Parker or Chuck Adams, please ask them to join us)

Eric (WA6HHQ) and Wayne (N6KR) from Elecraft
Bill, K6WHP
Bill, K6BNC
Bob (NK7M) and Bertie (N6XJW) Hightower
Dick (WB6JDH) and Ann (KG6EBD) Palmer
Jim "Dr. Megacycle" Duffey, KK6MC/5
Fred, K6MDJ
John, WI6O
Thomas, AC7A
James, W7LM
Doug Hendricks, KI6DS
Paul, AK1P
Dave Fifield, AD6A
Jim Cates, WA6GER
Brian (K7RE) and Joanna (KD7GLY) Kassel
Lloyd, KD6FJI
Ed, K6EAS
Ken, AC6NG
Steve Bible, N7HPR
Larry Brown, W7LB
Lou, W7DZN

-and- Judy (W6YBS) and I.

72 de Jim - AD6CW

Date: Sun, 2 Sep 2001 17:34:56 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>

To: <qrp-l@lehigh.edu>
Subject: [106447] Q that forgotton thing
Message-ID: <Pine.LNX.4.33.0109021727270.3292-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was just thinking and all my thoughts about tuner efficiency were assuming the L and C components are Pure. Balony, no such animal in this world!

So now that my head is on straight, and why didn't someone let me have it with Q across my face, I will do some paper and pen dodeling and see what I can find in the ARRL Hand Book.

For those who never had Q, this defines the value of the resistor that is in series with the L and C componets. Yes, a complete drawing of a C or L is one with a resistor in series (or it can be shown as in parallel) with each.

More later.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 4 Sep 2001 20:56:39 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Gary O. Lyons" <dgary@urx.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106448] Re: Cub Fox: Where is everybody?
Message-ID: <Pine.LNX.4.33.0109042055010.6392-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Gary...apparently NO ONE is hearing you...please check your station, antennas....or maybe the Black Hole has sturck you... ;-)

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
QRP Borg#1
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Tue, 4 Sep 2001 21:06:37 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106449] QRP-L CODE HOUR Reminder
Message-ID: <022f01c135b7\$c71abc70\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QRP-L CODE HOUR
Rev 1.0 -- 13-Aug-2001
reposted 04-Sep-2001

WHAT/HOW:

One hour of code practice/mentoring/elmering.

Those wanting to improve there code speed:

- o LISTEN TO THE W1AW CODE SESSION 3-5 DAYS/WEEK MIN
- o Afterward, call CQ CP... and have a QSO or two
- o Work at a speed 5-10% higher than you are comfortable with

Those willing to mentor/elmer

- o Listen for CQ CP...
- o Have a QSO or two with someone
- o be willing work at a speed much slower than you are proficient at, and tolerant of mistakes
- o with 2000-3000 QRP-Lers I think Elmers would only need to get on about 3 nights per week.

ELMERS: To be sure enough people are available throughout the week
let's try and get on the air 3 days per week, per callsign
district:

Call district OP nights

0, 2, 4, 6, 8	SUN, TUES, THURS
1, 3, 5, 7, 9	MON, WED, FRI
ALL	SAT & SUN

This SKED should keep us spread out in time, and allow individual scheduling flexibility.

Piggyback opportunities: WAS, 5BWAS, DXCC...???

WHEN

Session One: Start last full week of SEP continue for six weeks

2001	24-Sep	-	02-Nov
2002	23-Sep	-	01-Nov
2003	22-Sep	-	31-Oct

Session Two: Start 1st full week of Jan continue for 6wks

2002	07-Jan	-	15-Feb
2003	06-Jan	-	14-Feb
2004	05-Jan	-	13-Feb

Time(s): After W1AW Code Practice Session 0000z and/or 0300z

WHERE:

7040	+/- 5kHz	(Watch out for Fox Hunts, or join in!)
10116	+/- 5kHz	(WOW CAN YOU THINK OF A BETTER BAND THAN 30)
14060	+/- 5kHz	(DXers wanted and WELCOME)

WHY:

To improve CODE SPEED PROFICIENCY, CODE TECHNIQUE, and be "RADIO ACTIVE"!

WHO:

Anybody who wants to be a better Morse Code Operator

MORSE CODE RESOURCES

MORSE CODE:

<http://www.arrl.org/FandES/ead/learnCW/>

W1AW Sked: <http://www.arrl.org/w1aw.html>

Pac	Mtn	Cen	Est	Mon	Tue	Wed	Thu	Fri
4pm	5pm	6pm	7pm	Slow	Fast	Slow	Fast	Slow
7pm	8pm	9pm	10pm	Fast	Slow	Fast	Slow	Fast

Frequencies are 1.818, 3.5815, 7.0475,
14.0475, 18.0975, 21.0675,
28.0675, 147.555 MHz.

^^^^^^

Interesting possibilities
for New Englanders

Slow Code = practice sent at 5, 7-1/2, 10,
13 and 15 words per minute (wpm).

Fast Code = practice sent at 35, 30, 25, 20,
15, 13 and 10 wpm.

(the above reproduced and abbreviated from the ARRL web site)

PROTOCOL AND USAGE

Just as important as the Code itself is its usage. Here is a link
to one of the best usage pages I know of:

http://www.qsl.net/k3wwp/cw_ss_proc.html

And on the same sight are pages filled with other wonderful
usage/protocol info:

http://www.qsl.net/k3wwp/cw_ss.html

http://www.qsl.net/k3www/cw_ss_list_abbr.html

http://www.qsl.net/k3www/cw_ss_list_proc.html

http://www.qsl.net/k3www/cw_ss_list_q.html

73, Rod NØRC
Ft Collins, CO

Date: Wed, 5 Sep 2001 03:10:07 -0700
From: "Gary O. Lyons" <dirgary@urx.com>
To: <qrp-l@Lehigh.EDU>
Subject: [106450] Re: Still no Gary NQ7T
Message-ID: <000101c135f2\$f126e3a0\$4ed56bce@G_Lyons>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="utf-8"
Content-Transfer-Encoding: 7bit

Gangue,

I've been sitting at 14.061 all evening.

I've received lots of "helpful" suggestions via e-mail. I've visually checked all antennas - they are up. The swr is fine. The rig is putting out 5w to both the dummy load and the antennas.

I'll stay on freq until the appointed hour.

gary/nq7t

Date: Tue, 4 Sep 2001 22:47:09 -0400
From: "Tom" <n1tp@worldnet.att.net>
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>
Subject: [106451] FOX: CUB HUNT
Message-ID: <003d01c135b5\$0f0011a0\$30994d0c@tom>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Barely heard NQ7T at 0339.
He came out of nowhere ...
Bagged him with first call - simplex on 14.061.

Tom, N1TP
Naples, Florida

Date: Tue, 4 Sep 2001 22:44:21 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [106452] 20m Wierd Westward Propagation...
Message-ID: <200109050344.AA00952@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

That was different. While waiting to hear from the Western
Cub Fox, I hear Lou, W7DZN calling CQ. Nice strong 599 signal.
Call him with 250 mW, and get an initial 579 report. Maybe things
are improving to the west. Next over, I'm down to 339 at Lou's
end. Time for the amp. Another over, and I'm down to 339 with 5W,
and QRM at my end is getting fierce. Try to make another over at
5W, but whatever propagation I had to Nevada is now gone. Sorry,
Lou!

72/73,

Todd, AG0T

Date: Wed, 5 Sep 2001 03:59:50 +0100
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [106453] Fox: Got 'im!!
Message-ID: <003301c135b6\$d4d47d20\$0dba1c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got him! (I think (sheepish grin)
He was a 229 in Lincoln, NE. I tried the cool old RIT on my HW-8 and I

think it worked. I heard his exchange FB then gave him mine doubled. (229
229 NE NE etc)
Just barely made it too! It was 0356z on my clock..
Tom

Date: Wed, 5 Sep 2001 04:06:30 +0100
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [106454] Fox: Got him!
Message-ID: <003f01c135b7\$c308b6a0\$0dba1c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got him! (Gary, NQ7T) (I think (sheepish grin)
He was a 229 in Lincoln, NE. I tried the cool old RIT on my HW-8 and I
think it worked. I heard his exchange FB then gave him mine doubled. (229
229 NE NE etc)
Just barely made it too! It was 0356z on my clock..
Tom

Date: Tue, 04 Sep 2001 21:21:37 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp-l_post <qrp-l@lehigh.edu>
Subject: [106455] End of Summer PSK-31 Sprint
Message-ID: <3B95A851.5CA3FA5D@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This coming Sunday, September 9 from 2000 Z through 2400 Z
is the QRP ARCI End of Summer PSK-31 Sprint. This get
together is for PSK-31 only and only on 20 m. The exchange
is State/Province/Country, Name, and QRP ARCI member number
or power level if you are not a member. We had a good
turnout last year and let's give it another try this year.

Yes, QST has the Sprint under the correct weekend heading,
but the wrong date. The date is the 9th.

Summary of details:

Time: September 9, 2001 2000 Z through 2400 Z

Mode: PSK-31 only

Band: 20 m only

Suggested fq: 14.07015 MHz

Work each station only once

Exchange: State/Province/Country (SPC), Name, member number
or power if you are not a member

QSO Points: Member = 5 pts, Non-member different continent =
4 pts, Non-member same continent = 2 pts.

Multipliers: SPC total

Power Multiplier: Greater than 5 w = 1 x
greater than 1 w to 5 w = 7 x
greater than 250 mW to 1 w = 10 x
equal or less than 250 mW = 15 x

Final Score = QSO points x total SPC x power mult

Categories: Single Op, Multi Op, DX

After the contest use the High Claimed Scores at
<http://personal.palouse.net/rfoltz/arci/form.htm> to report
your score and soapbox comments. Watch the claimed scores
change after 9 PM PDT each day for 2 weeks at
<http://personal.palouse.net/rfoltz/arci/highclm.htm>

--

73,

Randy, K7TQ

QRP ARCI Contest Chairman

Date: Wed, 5 Sep 2001 04:24:01 -0700

From: "Gary O. Lyons" <drgary@urx.com>

To: <qrp-1@Lehigh.EDU>

Subject: [106456] Cub Fox Preliminary Log

Message-ID: <000701c135fd\$441af560\$6fd56bce@G_Lyons>

MIME-Version: 1.0
Content-Type: text/plain;
charset="utf-8"
Content-Transfer-Encoding: 7bit

Greetings Gangue!

This was one of those frustrating nights on 20m. I heard dozens of signals at 2300 and worked a couple of them. But once the hunt started at 0200 I heard absolutely nothing until 0338 when Tom/N1TP finally broke the ice jam. I heard lots of very loud signals down around 14.056-58 during the hunt so I know the band wasn't completely dead. I've experienced a bit of that one way stuff that Jim/AL7FS mentioned in the past but not like tonite.

So, here is the log - such as it is. Corrections solicited.

0338	N1TP	52N	FL	Tom	5w
0345	AA7EQ	55N	AZ	Bob	5w
0353	W0CH	55N	MO	Dave	5w
0354	KJ0C	55N	MO	Jim	5w
0355	KC0GXX	22N	NE	Tom	3w
0358	KC1FB	55N	CT	Jim	3w
0359	NB0W	55N	NE	Scott	2w

72/73,
Gary/NQ7T

Date: Tue, 4 Sep 2001 23:41:52 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [106457] Fox -- Thanks for Another Fun Season!
Message-ID: <200109050441.AA01091@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Thanks to one and all -- foxii, hounds, and the guys who put this thing together! :-)

Only went one for two tonight, but it seems rather fitting that the last fox in my log was taken with milliwatts, much as the first one had been. :-) Will have to go back through the log, but rough guesstimate is about half the foxii this summer fell to the mighty milliwatts. Was glad to have 5W more than once, though. :-) There were also a few foxii that could have

gone into the milliwatt column if I'd been a bit more patient before throwing the amp in the line. :-) On the other hand, summer evening propagation on 20m can be a fickle beast, to say the least, and a fox in the log is better than none. :-)

The one thing I did miss in this installment of the summer hunts was the Saturday afternoon hunt. Always seemed to me that propagation was a bit more favourable vs. the evening hunts.

Still, it was a blast! I liked the dual hunt concept. Spread the wealth, and probably kept the hoardes of hounds to a manageable roar by giving them a choice of where to aim first. :-)

Now, I'll have to set to work on a 40m foxslayer for the winter... :-)

72/73,

Todd, AGOT

Date: Wed, 05 Sep 2001 05:22:30 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: fernie@ke4mai.com, qrp-l@Lehigh.EDU
Subject: [106458] Re: Isotron?
Message-ID: <F7Dt9Cz93MgPPf3L9BG00001fe1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Hi,
>I am looking for any comments for actual users of the Isotron family of
>antennas

It's one of the antennas used by the Royal Navy Special Boat Squadron (similar to the US SEALs), which means that it should work OK. When I worked on military radio systems we had a very interesting presentation on their antennas.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Tue, 04 Sep 2001 23:49:48 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106459] Re: Crazy idea
Message-ID: <Pine.OSF.4.31.0109042346140.31686-1000000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

Dave/Jim

I connected to www.google.com and searched the terms

blocking cell phones

I got several interesting hits including an article by CNN. You may want to check this out. Of course blocking student phones would probably also mean blocking staff phones as well 8-() (It seems the devices work on jamming a particular frequency.)

Hope this helps.

Brian.

On Tue, 4 Sep 2001, Jim Campbell wrote:

> Dave,
>
> I once heard of a device that would transmit a low-power signal that would
> tell the cell phones nearby that there was no cell tower available or that
> the cell towers were busy. Perhaps it blocked the cell tower signal. It
> didn't make sense to me. The intent was for people who got annoyed in
> restaurants by nearby cell phone conversations to be able to enjoy some peace
> and quiet. The existence of such a device may have been another urban
> legend. It also might have been illegal <G>.
>
> I just received confirmation of my K2 order, so I am eagerly awaiting the
> arrival of my kit in a few days.
>
> 72/73

>
> Jim Campbell
> W4BQP
>
> David & Jo Ann Lininger wrote:
>
> > . I got to wondering if there was a very low
> > power transmitter that I could activate that would make them all
> > ring at once.
>
>
>
>
>

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>
VE5RDV

Did you hear about the two antennas that got married? The wedding was a
disaster but the reception was great!

Date: Wed, 5 Sep 2001 06:37:20 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <N0BN@aol.com>, "QRP Mail List" <qrp-l@lehigh.edu>
Subject: [106460] Re:Adjusting CB antenna to 10m: SOURCE OF WHIPS?
Message-ID: <005f01c135f6\$c074edc0\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd have to check the price, but Radio Shack carries
replacement whips. I think the longer whips are special
order, but the 'standard' 40" or so whip used to be

standard stock at about \$5 or so. In fact,. I bought one to build my mobile antenna from last Aprils QST.

Other than that, you'd have to just price steel stock from a local supplier.

Mike

----- Original Message -----
From: <N0BN@aol.com>

> Speaking of cutting a CB antenna for 10 M, does anyone know of inexpensive
> source for such rods of various lengths suitable for such adaptation other
> than Ham or CB shops?
>
> Daniel n0bn

Date: Wed, 05 Sep 2001 06:59:51 -0500
From: Wayne <aa5jj@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106461] Litthium battery for KNWD TS430S
Message-ID: <000d01c13602\$45394460\$d761fea9@Wayne>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hello can anyone thell me the voltage on the Lithium battery for a kenwood TS430S, thanks

Wayne Williams AA5JJ
713 N. (G) st.
Muskogee, OK 74403
FP-323

Date: Wed, 5 Sep 2001 08:13:09 -0400
From: "w8diz" <w8diz@fpqrp.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106462] Re: Litthium battery for KNWD TS430S
Message-ID: <004001c13604\$216068a0\$0200000a@hunkar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

fully charged or dead?

----- Original Message -----

From: "Wayne" <aa5jj@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 05, 2001 7:59 AM
Subject: Litthium battery for KNWD TS430S

> Hello can anyone thell me the voltage on the Lithium battery for a kenwood
> TS430S, thanks
>
>
>
> Wayne Williams AA5JJ
> 713 N. (G) st.
> Muskogee, OK 74403
> FP-323
>
>

Date: Wed, 5 Sep 2001 08:36:09 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
 <fpqrp-l@fpqrp.com>
Subject: [106463] Parts Help
Message-ID: <005f01c13607\$5810ede0\$0200000a@hunkar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

I'm searching for hi-Z crystal earphones and
3 or 4 inch long ferite AM broadcast antennas.

Need about 100 of each, cheap of course :)

Anyone have any sources for these?

tnx

72 & 'oo' - Diz, W8DIZ

Date: Wed, 05 Sep 2001 08:41:29 -0400
From: "Tim A. King Jr." <iflyos@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [106464] Icom 706MKII
Message-ID: <F973s1l1NY30kkZIhTrB000053c7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Guys,

Does anyone have a schematic and parts placement list for this unit? Better still a service manual would be great. My YL's father has this rig, and this weekend we had an interesting problem: 21-30 mhz quit! I don't know if it is just the Amateur bands or if it is the full spectrum between 21-30 mhz, we only checked 15 and 10 meters. Everything else works FB. If anyone has seen this before and could offer some insight, we both would appreciate it.

Of course, we are willing to pay all copy/mailling costs associated with obtaining this material. Thanks in advance for any and all help you guys may provide!

72/73,

Tim King, KG4MQD & Gene Bowman, WB4MSG

Tim A. King, Jr.
KG4MQD
Safety Officer, Hobby Park R/C Aircraft Club
Winston Salem, NC
AMA# 578668

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 5 Sep 2001 09:03:41 -0400
From: "Brian" <brian@iquest.net>
To: <jim-c@nc.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106465] Re: Crazy idea
Message-ID: <006101c1360b\$2fefcf30\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,

I read an article someplace about a month ago that talked about this device being installed in movie theaters, corporate meeting rooms, etc etc. I'll try to find out who makes it.

I'm thinking it was a Motorola product but I'm not sure.

----- Original Message -----

From: "Jim Campbell" <jim-c@nc.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, September 04, 2001 10:51 PM
Subject: Re: Crazy idea

> Dave,

>

> I once heard of a device that would transmit a low-power signal that would
> tell the cell phones nearby that there was no cell tower available or that
> the cell towers were busy. Perhaps it blocked the cell tower signal. It
> didn't make sense to me. The intent was for people who got annoyed in
> restaurants by nearby cell phone conversations to be able to enjoy some
peace

> and quiet. The existence of such a device may have been another urban
> legend. It also might have been illegal <G>.

>

> I just received confirmation of my K2 order, so I am eagerly awaiting the
> arrival of my kit in a few days.

>

> 72/73

>

> Jim Campbell

> W4BQP

>

> David & Jo Ann Lininger wrote:
>
> > . I got to wondering if there was a very low
> > power transmitter that I could activate that would make them all
> > ring at once.
>
>
>
>
>
>

Date: Wed, 05 Sep 2001 09:08:44 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: buydens@duke.usask.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [106466] Re: Crazy idea
Message-ID: <3B9623DC.ED71819@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I know you are radio amateurs, and therefore can leap tall buildings at a single glance, but you are not above the law. Jamming, or blocking any frequency is just plain against the law! Transmitting on any frequency not allowed by your license is also illegal. Also, consider the downside - parents will probably consider the act as an invasion of their child's privacy, leading to law suits and perhaps dismissal from the teaching job. Is this really worth trying to be so smart?

73

Date: Wed, 5 Sep 2001 07:08:16 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: <iflyos@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106467] Re: Icom 706MKII
Message-ID: <001501c1360b\$d435cb80\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Here is a great site to finds mods, manuals and more:

<http://www.mods.dk/index.htm>

GL

73, Rod N0RC
Ft Collins, CO

----- Original Message -----

From: "Tim A. King Jr." <iflyos@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 05, 2001 6:41 AM
Subject: Icom 706MKII

> Guys,
> Does anyone have a schematic and parts placement list for this
unit?
> Better still a service manual would be great. My YL's father has
this rig,

Date: Wed, 5 Sep 2001 09:16:26 -0400 (EDT)
From: <baltimoremd@baltimoremd.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106468] Re: Crazy idea
Message-ID: <Pine.BSI.4.05L.10109050914260.17687-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Sep 2001, Bruce Muscolino wrote:

>
> Guys,
>
> I know you are radio amateurs, and therefore can leap tall buildings at
> a single glance,

No need to castigate an entire class of folks with a snide remark when you disagree with a small number of them.

thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Wed, 05 Sep 2001 08:21:26 -0500
From: kcieslak <kcieslak@execpc.com>
To: QRP-L@lehigh.edu
Subject: [106469] Huge NorCal Announcement at Riverside QRP Forum
Message-ID: <3B9626D6.489A9627@execpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll be its the resurrection of heathkit....Geez...I almost dropped a
check in the mail for a K1, Think I'll just sit on it for a little bit.

Brian K9WIS

Date: Wed, 05 Sep 2001 09:51:15 -0400
From: Jim Campbell <jim-c@nc.rr.com>
To: qrp-l@lehigh.edu
Subject: [106470] Re: Crazy idea
Message-ID: <3B962DD3.23FEA5E0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bruce,

I quote from my original post "It also might have been illegal <G>."
However, many such devices are of such low power that they are exempted
from the FCC licensing requirements. For example, many of us use a
garage-door opener, yet none of us has a license for such use.

Jamming is wrong and probably illegal. Taking a cell phone to school when
they are not permitted is also wrong. Two wrongs don't make a right. In
my original reply to the post I was telling of an alternative to what the
original poster suggested. I was not advocating doing so.

Jim Campbell
W4BQP

Bruce Muscolino wrote:

> Guys,
>
> I know you are radio amateurs, and therefore can leap tall buildings at
> a single glance, but you are not above the law. Jamming, or blocking
> any frequency is just plain against the law! Transmitting on any
> frequency not allowed by your license is also illegal. Also, consider
> the downside - parents will probably consider the act as an invasion of
> their child's privacy, leading to law suits and perhaps dismissal from
> the teaching job. Is this really worth trying to be so smart?
>
> 73

Date: Wed, 5 Sep 2001 14:53:29 +0100
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jona1.net, qrp-1@Lehigh.EDU
Subject: [106471] NEQRP SSB NET results
Message-ID: <0F77DC57F8.DC84ABE6-0N85256AB0.0047ECE1@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Well the band was NOISY at 7:30PM. But we still had
great signals and a good time:

WA10HR	Ev	Windham,CT	IC-756 20m double extended Zepp
K1CL	Chuck	Chelmsfor,MA	FT-840 G5RV
W1II	John	Kennebunk,ME	FT-847 Inverted V QRO
KC1FB	Jim	Norwalk,CT	80m low loop
AA1MY	Seab	Bethel,ME	IC-706M2G Dipole @ 60'
NA1XX	Mike	N.Weymouth,MA	TS50
AB2KT	Frank	Bridgewater,NJ	FT817 44' dipole
KE4IZH	Rick	Chesapeake,VA	FT817 (partial relay)

Great net and I thank each one for stopping by.

Ron - N1ZSW

Date: Wed, 05 Sep 2001 09:01:27 -0500
From: rhiller@sysdev.com (Rick Hiller)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106472] Re:Thanks for Responses to 'High' Vertical and R7 question
Message-ID: <5.1.0.14.0.20010905083723.00b06858@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Many thanks to all who responded. All positive!.... to placing the vertical up high with certain considerations. The only written reference was to Orr's Vertical book about a KH9 (?) station that placed 20 meter GP's up at 90 feet and opened and closed the bands with them.

I'll try my hand at fine tuning the modeling of the R7 in EZNEC and see if I can approximate the Cushcraft specs....and then varying the height from there.

Thanks and regards...rick...W5RH.

Date: Wed, 5 Sep 2001 07:01:11 -0700 (PDT)
From: Brad Mitchell <n8yg@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [106473] FREE SCOPE
Message-ID: <20010905140111.64814.qmail@web14708.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Let me know when there is a free scope in the Rochester, NY area. :-).
Mine died, and I can't jujst borrow one from work anymore since the company I now work for does all it's

debugging on the screen.

73Brad N8YG

Do You Yahoo!?

Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
<http://im.yahoo.com>

Date: Wed, 05 Sep 2001 10:07:26 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: rhiller@sysdev.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106474] Re: Thanks for Responses to 'High' Vertical and R7 question
Message-ID: <3B96319E.4030609@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Rick Hiller wrote:

> Many thanks to all who responded. All positive!.... to placing the
> vertical up high with certain considerations. The only written
> reference was to Orr's Vertical book about a KH9 (?) station that placed
> 20 meter GP's up at 90 feet and opened and closed the bands with them.

But his ground planes had at least 20 dBi (location gain - the
increase in antenna gain that comes with a rare QTH).

Date: Wed, 05 Sep 2001 09:24:00 -0500
From: Wayne <aa5jj@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106475] Thanks for all the info on the Lithium battery
Message-ID: <001701c13616\$68803e60\$d761fea9@Wayne>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

got the answer thanks to all

Wayne Williams AA5JJ
713 N. (G) st.
Muskogee, OK 74403
FP-323

Date: Wed, 5 Sep 2001 07:26:17 -0700
From: "Robert Friess" <rfriess@attglobal.net>

To: <aa5jj@swbell.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106476] Re: Litthium battery for KNWD TS430S
Message-ID: <024701c13616\$b9c720e0\$6501a8c0@1GHzPentiumIII>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Assuming it is the same as the TS440, it is 3.6 volts.

Bob, N6CM

----- Original Message -----

From: "Wayne" <aa5jj@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 05, 2001 4:59 AM
Subject: Litthium battery for KNWD TS430S

> Hello can anyone thell me the voltage on the Lithium battery for a kenwood
> TS430S, thanks
>
>
>
> Wayne Williams AA5JJ
> 713 N. (G) st.
> Muskogee, OK 74403
> FP-323
>

Date: Wed, 5 Sep 2001 10:29:34 -0400
From: "Ronald C. McConnell" <rcmcc@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "HFPack" <hfpack@yahoogroups.com>,
"NJQRP" <njqrp@njqrp.org>
Cc: "W2IOL" <w2iol@arrl.net>
Subject: [106477] RS 12Vdc Charger for AA NiMH cells @ US\$15
Message-ID: <000101c13617\$30641e60\$4216a441@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

FYI. Radio Shack is having a 40% off sale
on their 12Vdc charger for AA/AAA NiMH
and NiCad cells @ US\$ 14.99, regularly \$24.99
including four 1500 mAH NiMH cells
and a cigarette lighter cord and plug.

RS part # 23-034

Someone (on qrp-l?) called AA cells
the cockroaches of the battery world. :-)

About 4 or 5 years ago I started to convert
one of the Ray-O-Vac rechargable alkaline
AA cell chargers for car use. I got as far
as dissecting the charger, determining
that the internal Vdc was about 10.5 V,
and _planning_ to install a 10 V regulator
to hook to the cigarette lighter outlet.
I found it in a unfinished project box
a couple of weeks ago. I may finish it yet,
but the NiMH cells seem much superior
for most of my purposes, except for
little "walkman" style radios for
the alkalines.

Cheers, 73,

Ron McConnell
w2iol@arrl.net

Date: Wed, 5 Sep 2001 10:48:29 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106478] Re: Crazy idea
Message-ID: <002201c13619\$d40a1f40\$39cdfea9@RobParker>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why not! Frankly I think it would be fun! Got to dance with the devil
sometimes! These devices are being offered for sale here in Canada. I
heard of a Toronto based company selling these (can't remeber the company's

name) and at the moment, the courts have not made them illegal to have and use. In fact they are encouraging their use! It's basically a low powered oscillator that jams a cell phone within a restrictive coverage forcing the cell phone user to go outside or to a lobby to make his call so he doesn't disturb the rest of us! Such as in a theater and especially a restaurant. I really hate having a nice meal only to be disturbed by someone taking a call. It's not just the fact he is taking the call but why do people have to scream into the damn thing? We've all experienced that I'm sure and at one time the cell user was using some colorful metaphors that I got up and told him to quiet down or take the call elsewhere. He gave me a few colorful metaphors to contemplate on but that was short lived when the manager asked him to leave.

If you can't go to a restaurant or theater and leave your phone off then you think you're more important than you really are and need to get some perspective!

Just my two cents,
Robert
VE3RPF

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Wednesday, September 05, 2001 9:08 AM

Subject: Re: Crazy idea

>

> Guys,

>

> I know you are radio amateurs, and therefore can leap tall buildings at
> a single glance, but you are not above the law. Jamming, or blocking
> any frequency is just plain against the law! Transmitting on any
> frequency not allowed by your license is also illegal. Also, consider
> the downside - parents will probably consider the act as an invasion of
> their child's privacy, leading to law suits and perhaps dismissal from
> the teaching job. Is this really worth trying to be so smart?

>

> 73

Date: Wed, 5 Sep 2001 08:40:36 -0600

From: "AB0CD" <ab0cd@uswest.net>
To: "QRP-L" <qrp-l@Lehigh.edu>, "cqclist" <CQCLIST@EGROUPS.COM>
Subject: [106479] Colo QRP Club Meeting Sept. 15
Message-ID: <003f01c13618\$b9c205e0\$879ca0d8@dnvr.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

COLORADO QRP MEMBERS AND INTERESTED NON-MEMBERS:

MEETING ANNOUNCEMENT

The next regular meeting of the Colorado QRP Club is Saturday, Sept. 15, 10 a.m. at the Bonfils Blood Center on the Lowry Campus in Denver. Directions to the meeting can be found on the club's webpage: www.cqc.org - look under Meetings & Events.

Bring your favorite QRP rig (yes, bring the ACTUAL rig) and give us the pros and cons.

Program will be Marshall, N1FN: "CW-- the Final Frontier." (Or, How I Broke the 18 WPM Speed Barrier.) It's sure to be interesting, and challenging.

Lunch will be available, so bring your appetite too!

72 Dick AB0CD..

Date: Wed, 5 Sep 2001 10:56:54 -0400
From: "Mark Mohr" <themohrs@fuse.net>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [106480] Portable SW Receivers
Message-ID: <000501c1361b\$2bd23d60\$032344d8@markstoy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings, all :

A while back, there was a thread concerning those little portable SW receivers - Radio Shack, Sangean, etc. You know the ones. Had to do with adding a BFO to one. Seems like quite a few of you knew quite a lot about them. I recently got my hands on a Sony ICF 2003, SW receiver with BFO. Right away, I noticed some of the problems that were mentioned in that thread. Like the easy tendency towards front end overload. I got to wondering :

If one knew the input Z that the external antenna jack would like to see, couldn't you fabricate some Butterworth bandpass filters to help the lack of front end selectivity ? Maybe build in a step attenuator or two ? I believe the overloading problem stems from a lack of front end selectivity (look at the tuning range - how could it have any selectivity to speak of ?)

As for selectivity suitable for CW, how about a midget transformer to match the low Z earphone output to the input of an active bandpass filter made from op amps ? (keep the AF gain control down, though) Drive earphones with a LM386 or something.

Put these goodies in an Altoids tin or two (some of you really like those) and velcro it to the back of the radio, jumper wire to the external antenna jack and earphone jack. Might be possible to turn these little entertainment grade radios into something halfway useable. Any ideas, anybody ?

Just a couple thoughts. I won't be able to tinker like that for a while ; priorities are pass the tests on the 16th, get some sort of rig and antenna up, and get my feet wet again after 30 years. But I did get W1AW code practice run on 20m with the Sony, and that's when I got these ideas. Thought it might make for an interesting thread.

TNX / 73
SK
Mark Mohr

Date: Wed, 5 Sep 2001 08:58:26 -0600
From: "AB0CD" <ab0cd@uswest.net>

To: "QRP-L" <qrp-l@Lehigh.edu>, "cqclist" <CQCLIST@EGROUPS.COM>
Subject: [106481] FS: IC706 \$500
Message-ID: <007c01c1361b\$37ebc620\$879ca0d8@dnvr.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FOR SALE: IC706 (ORIGINAL) \$500 PLUS SHIPPING

The original IC706: 10M-160M HF, 6M, 2M. Good condition. Used portable, Field Day and mobile. NEVER DRIVEN OVER 5 WATTS. In good condition. Works just fine. Package includes the Rig, hand mic, separation kit, faceplate mounting kit, and guaranteed WAS/QRP. PWR 1-100 Watts HF and 6M, 1-20 Watts 2M. This little rig needs a good QRP home.

72 Dick AB0CD..

Date: Tue, 21 Aug 2001 16:46:05 -0500
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-l@lehigh.edu
Subject: [106482] Elecraft K2, serial # 2264
Message-ID: <20010821.164612.-92313.1.k5ubs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The letter carrier just brought me a qrp size package containing my new K2 with most options.

This was made possible by selling an old Western Union collectable on eBay. I was not emotionally attached to this collectable (even though I put in 28 yrs at WU) so I was able to let someone else enjoy it. There was even money left over to appease the XYL. Now on to the parts inventory and buy some fresh solder to melt. This is a long way from my first kit, the Heath AT1. Let the fun begin....

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, ARCI, NORCAL, SOC # 303 303

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 5 Sep 2001 10:21:40 US/Central
From: delphinus@brightok.net
To: qrp-l@Lehigh.EDU
Subject: [106483] Re: Pixie II: Elmering needed
Message-ID: <200109051521.KAA14750@mail5.brightok.net>

I've had several good replies offlist. I'm working with these people and I've tracked down the original problem with their help. Having QRP-L as a source of experience and expertise is WONDERFUL! I hope to work some of you on the air with my attic 1/2 wave dipole when I'm through debugging it!

Signed NOT ALONE IN OKLAHOMA a.k.a. Matthew,
AD5AP

This message was sent using BrightNet MailMan.
<http://www.Brightok.net/mailman/>

Date: Wed, 05 Sep 2001 17:30:46 +0200
From: DK3RED@t-online.de (Ingo DK3RED)
To: QRP-L <qrp-l@lehigh.edu>
Subject: [106484] Re: Crazy idea
Message-ID: <3B964526.BCD5D25E@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

He Guys,

Forget this crazy idea. Here in Germany the implementation of this project could cost you the withdrawal of your amateur radio licence. I think that in other countries will not different be.

72/73 de Ingo, DK3RED (Don't forget: the fun is the power !)

eMail: dk3red@qsl.net - homepage: www.qsl.net/dk3red

Date: Wed, 05 Sep 2001 09:45:40 -0600 (CST)

From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106485] Re: Crazy idea
Message-ID: <Pine.OSF.4.31.0109050938280.21337-100000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

I feel I need to clear the air regarding this idea. Personally, I don't condone nor condemn the idea. I was merely pointing out that such news agencies as CNN had stories about it. I believe in Canada there are some places where local bylaws etc. forbid the use of Cell phones in certain areas. I could be wrong about this. But in this case I believe the jamming devices are perfectly legal. Certainly what Bruce Muscolino and others have said about radio amateurs interfering with other radio broadcasts and the potential trouble it can bring on the amateur involved are legitimate concerns. Before you were ever to try such a tactic you should check what the laws are in your locality. I would strongly suggest that such a policy in a school could only be done with the permission and blessing of the local school board and director (or whatever the structure is in the U.S.) Also, it should only be done if local or other laws allow it to be done. Like I say, I think in some places in Canada, such as some shopping malls it is already being done.

Brian.

On Wed, 5 Sep 2001, Ingo DK3RED wrote:

> He Guys,
>
> Forget this crazy idea. Here in Germany the implementation of this project
> could cost you the withdrawal of your amateur radio licence. I think that in
> other countries will not be different.
>
> 72/73 de Ingo, DK3RED (Don't forget: the fun is the power !)
>
> eMail: dk3red@qsl.net - homepage: www.qsl.net/dk3red
>

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>
VE5RDV

Did you hear about the two antennas that got married? The wedding was a

disaster but the reception was great!

Date: Wed, 5 Sep 2001 08:52:56 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <w8diz@fpqrp.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106486] Re: Parts Help
Message-ID: <004001c13622\$dc0222c0\$8a0df4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Diz,

Ocean State Electronics has these items. Their URL is:
<http://www.oselectronics.com/> . I've ordered many things in the past from
these guys and I'm sure they can help you out. Sounds like you're putting
together a bunch of crystal sets! They also have the 365 pF variable caps.
Also check out their kit section for some pretty neat radio stuff. Hope this
helps.

72/73
Trev
KG6CYN

----- Original Message -----
From: w8diz <w8diz@fpqrp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 05, 2001 5:36 AM
Subject: Parts Help

> Hi gang,
>
> I'm searching for hi-Z crystal earphones and
> 3 or 4 inch long ferite AM broadcast antennas.
>
> Need about 100 of each, cheap of course :)
>
> Anyone have any sources for these?

>
> tnx
>
> 72 & 'oo' - Diz, W8DIZ
>

Date: Wed, 5 Sep 2001 10:57:52 -0500
From: "Jim Crooke" <crooke@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106487] Preliminary Cub Fox log
Message-ID: <005b01c13623\$867bcc60\$51b19cd1@kj0c>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What fun!

The night started off with a bang. First CQ and had a bunch of hounds at once. For those that have never been a Fox, you need to try that. My old brain doesn't always copy cw well and when there are several calling at once it is amazing how the filter between the ears can pull someone out. My admiration for the high speed foxes that have genuine pileups keeps getting higher.

There were a lot of loud signals last night and I was really surprised that many of them were off the side of the beam. I worked everyone I heard eventually, Dave W0CH was the hardest at ESP levels about 80 miles from here. Had 3 QSOs that wanted to know what the FOX was including the last one from just outside Moscow (and the beam was pointed at FL). 20 meter propagation is really fickle.

Check the log for errors, I handwrote the info and you know how doctors' handwriting is (special course in 2nd year on how to write illegibly).

Thanks for the fun this year and will look for you all on 40 this winter.

0200	KB7WW	559	OR	Art	5w
0202	K4BYF	559	FL	Jack	4w
0204	N1TP	579	FL	Tom	5w
0205	K5DI	579	NM	Karl	5w
0207	N3AO	559	PA	Carter	5W
0208	K1VP	559	NH	Ed	5W
0210	KC1FB	559	CT	Jim	3W

0212	W3CD	559	CA	Bob	5W
0214	VA6RF	579	AB	Earl	5W
0216	VE5RC	559	SK	Bruce	5W
0218	KG4FSN	559	FL	Juan	4W
0221	AG0T	599	ND	Todd	250mw
0234	AA7EQ	559	AZ	Bob	5W
0247	WK6I	559	CA	Jeff	5W
0249	VE5QRP	559	SK	Bruce	5W
0255	KB1DXC	559	CT	Mike	5W
0307	W0CH	229	MO	Dave	5W
0311	N1WPU	599	ME	Ted	5W
0335	W6ABC	559	CA	Jack	5W
0338	KB1CL	589	MA	Wilbur	25W
0353	NQ7T	559	WA	Gary	5W
0358	UA3AJ	539	Moscow	Anin	70W
0400	KJ0C	Jim			

72 es oo de Jim KJ0C

Healer of Brachycephalics and other fine looking creatures in Springfield, MO

FPQRP #-108 and semi-official veterinarian of the Flying Pig QRP Club

Date: Wed, 5 Sep 2001 12:09:29 -0400
 From: "Mark Mohr" <themohrs@fuse.net>
 To: "QRP-L List" <qrp-l@Lehigh.EDU>
 Subject: [106488] Re : those portable SW receivers
 Message-ID: <000a01c13625\$3d5428a0\$244244d8@markstoy>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Hello again ;

With reference to my post about those little portable SW receivers, there was a question I forgot to ask - was only on my first cup of coffee.

I looked at the external antenna jack on the Sony ICF 2003 with a magnifying glass. It appears to take a 1/8 inch stereo phone plug. (strikes me as a bit odd). Would

anybody out there know what
the connections are to wire up an external antenna to this beast ? At the
moment, I'm using about
20 feet of speaker wire and a cliplead to the telescoping whip. A bit
awkward, but it works.

Thanks !

TNX / 73
SK
Mark Mohr

Date: Wed, 5 Sep 2001 12:39:46 -0400
From: "Alex Turner" <aturner13@triad.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [106489] Code Warrior Jr. Adjustment
Message-ID: <007801c13629\$5f5bdf20\$c305a318@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can someone point me to a web site, other than Vibroplex, where there is
some adjustment directions for the Code Warrior. The one I tried at the
hamfest felt great, but the one I bought doesn't feel quite "right".
Reading the Vibroplex supplied instructions leaves much to be desired. It
doesn't have to be a web site if someone can tell me how to adjust it.
I'm hoping a decent key will continue to spur my interest in cw.

thanks
Alex N4BYJ

Date: Wed, 5 Sep 2001 12:49:24 -0400
From: "Larry Spinner" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106490] Re: Crazy idea
Message-ID: <0E51bRcF0c0h3AzcLsq00003980@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Regardless of whether it is legal or illegal, this idea does NOTHING to promote QRP, ham radio or anything else. What it does do is tarnish our reputations as hams. IMHO it's a very bad idea and will just open a can of unwanted worms! Also, it's WAY off the qrp topic...

73,

N2ICZ

> Why not! Frankly I think it would be fun! Got to dance with the devil
> sometimes!

>>Jamming, or blocking any frequency is just plain against the law!
Transmitting on any
> > frequency not allowed by your license is also illegal. Also, consider
> > the downside - parents will probably consider the act as an invasion of
> > their child's privacy, leading to law suits and perhaps dismissal from
> > the teaching job. Is this really worth trying to be so smart?
> > 73

Date: Wed, 05 Sep 2001 09:54:01 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106491] Re : those portable SW receivers
Message-ID: <5.0.2.1.0.20010905095008.00a2e8b0@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:09 PM 9/5/01 -0400, you wrote:

>Hello again ;

>

> With reference to my post about those little portable SW receivers,
>there was a question I forgot to
>ask - was only on my first cup of coffee.

>

> I looked at the external antenna jack on the Sony ICF 2003 with a
>magnifying glass. It appears to
>take a 1/8 inch stereo phone plug. (strikes me as a bit odd). Would
>anybody out there know what
>the connections are to wire up an external antenna to this beast ? At the
>moment, I'm using about
>20 feet of speaker wire and a cliplead to the telescoping whip. A bit

>awkward, but it works.

the 1/8 phone plug may be a standard on these, my RS DX-398 has one as well. If you can, get to a page that has an owner's manual, to be sure, but tip and sleeve may be all you need. On mine, i have to ground the ring for 10MHz and below.

> Thanks !

>

>TNX / 73

>SK

>Mark Mohr

Date: Wed, 5 Sep 2001 12:15:06 -0500

From: "Rob Matherly" <kc0bom@arrl.net>

To: <themohrs@fuse.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [106492] Re: those portable SW receivers

Message-ID: <008a01c1362e\$5057a040\$bd11a541@intern01>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Mark;

I have a Radio Shack SW-100 which also has the 1/8 ant jack. Mine came with a short antenna, which was just about 25 feet of 24 gauge wire connected to the center pin of the plug. I have tried various antennas for it, and have found that (on mine) anything connected to the ground of the plug wipes out the signals. I have even got shocked touching a wire connected to the ground that wasn't grounded (still don't know why or how). The wiring for the house was backwards (!) at one point, but that's been fixed. Used to be that you'd go to hook up your antenna and it would arc from the outer connector to the so-239. Still worked fine until I got the wiring fixed though...

72/73

Rob, kc0bom

----- Original Message -----

From: Mark Mohr <themohrs@fuse.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, September 05, 2001 11:09 AM
Subject: Re : those portable SW receivers

Hello again ;

With reference to my post about those little portable SW receivers, there was a question I forgot to ask - was only on my first cup of coffee.

I looked at the external antenna jack on the Sony ICF 2003 with a magnifying glass. It appears to take a 1/8 inch stereo phone plug. (strikes me as a bit odd). Would anybody out there know what the connections are to wire up an external antenna to this beast ? At the moment, I'm using about 20 feet of speaker wire and a cliplead to the telescoping whip. A bit awkward, but it works.

Thanks !

TNX / 73
SK
Mark Mohr

Date: Wed, 05 Sep 2001 17:27:43 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: themohrs@fuse.net, qrp-1@Lehigh.EDU
Subject: [106493] Re: Re : those portable SW receivers
Message-ID: <F181t0CI76r0JhKPc9900004a90@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Mark Mohr" <themohrs@fuse.net>
>Reply-To: themohrs@fuse.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re : those portable SW receivers
>Date: Wed, 5 Sep 2001 12:09:29 -0400
>

>Hello again ;
>
> With reference to my post about those little portable SW receivers,
>there was a question I forgot to
>ask - was only on my first cup of coffee.
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>magnifying glass. It appears to
>take a 1/8 inch stereo phone plug. (strikes me as a bit odd). Would
>anybody out there know what
>the connections are to wire up an external antenna to this beast ? At the
>moment, I'm using about
>20 feet of speaker wire and a cliplead to the telescoping whip. A bit
>awkward, but it works.

My old Sony 2001D takes an ordinary 3.5 mm mono plug. Your's might have an additional connection to power an active antenna. One was an option with mine, but had its own batteries.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 5 Sep 2001 12:40:19 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106494] Re: Re : those portable SW receivers
Message-ID: <002d01c13631\$d563a7e0\$4800000a@nationwiderecovery.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FYI, these little RX without a RF gain control can be overloaded pretty easy. I now have one with RF Gain control and have used it on a few qso's with tuna tin. Before that, I found that looser coupling of the antenna helped. I took a cardboard pants hanger tube and wound about 100 turns of 30# enamel mag wire on it and then varnished it. I put a loop in the end and took off the enamel there. I ran that to about 75 feet of 18# stranded

that went out to the tree. Worked like a charm and I just put that tube over the built in antenna and slid it in and out to adjust reception. Hope this helps some of you...

Date: Wed, 05 Sep 2001 17:42:06 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: themohrs@fuse.net, qrp-1@Lehigh.EDU
Subject: [106495] Re: Portable SW Receivers
Message-ID: <F101QTdWGHY8aUFLUH200006048@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
> If one knew the input Z that the external antenna jack would like to
>see, couldn't you fabricate some Butterworth
>bandpass filters to help the lack of front end selectivity ? Maybe build in
>a step attenuator or two ? I believe the
>overloading problem stems from a lack of front end selectivity (look at
>the
>tuning range - how could it have any
>selectivity to speak of ?)

When I asked the supplier about the input impedance of my 2001D, I was told it was 50 ohms. It's nominal of course, like most receivers.

>
> As for selectivity suitable for CW, how about a midget transformer to
>match the low Z earphone output to the input
>of an active bandpass filter made from op amps ? (keep the AF gain control
>down, though) Drive earphones with
>a LM386 or something.

I've experimented with a DSP on the headphone output. It works very well, apart from the RF generated by the DSP board, an ADI EZKIT.

I've also attached a mixer (TUF-1), a post mixer amp. and a crystal ladder filter to the input, with a signal generator driving the mixer. The receiver was tuned to the filter frequency, of course, acting as an 8 MHz IF. That gave a very narrow bandwidth. With the Rx RF attenuator turned right down it worked very well - much better than the basic Rx.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 5 Sep 2001 11:02:08 -0700 (PDT)
From: Bob Patten <n4bp@yahoo.com>
To: SOC Reflector <soc@qth.net>
Cc: Ervin J Bates <w8erv65@aol.com>, QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [106496] SOC Sprint Certificate Needed
Message-ID: <20010905180208.26079.qmail@web14310.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Is there anyone out there with a SOC Sprint Certificate of Merit in their hot little hand, who can scan theirs and send it to either me n4bp@yahoo.com or Erv w8erv65@aol.com ?

=====

73, Bob Patten, N4BP Plantation, FL

E-Mail: n4bp@yahoo.com Website: <http://www.qsl.net/n4bp>
QRP ARCI #3412 FISTS #7871 ARS #799 SOC #1 Whiners #6

Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
<http://im.yahoo.com>

Date: Wed, 5 Sep 2001 14:20:29 -0400
From: "Ham" <k1vp@grizzly.com>
To: <n4bp@yahoo.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106497] Re: SOC Sprint Certificate Needed
Message-ID: <006c01c13637\$722038a0\$0e01a8c0@office.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Bob Patten <n4bp@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 05, 2001 2:02 PM
Subject: SOC Sprint Certificate Needed

> Is there anyone out there with a SOC Sprint Certificate of
> Merit in their hot little hand, who can scan theirs and
> send it to

Boy what a second class outfit..oh..nevermind.

Ed Lawson
K1VP

Date: Wed, 5 Sep 2001 14:41:48 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <themohrs@fuse.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106498] Re: those portable SW receivers
Message-ID: <002b01c1363a\$6c136ce0\$39cdfea9@RobParker>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Outer tip is antenna and the other portion ground.

----||----0
^ ^
GND ANT

- Original Message -----

From: Mark Mohr <themohrs@fuse.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 05, 2001 12:09 PM
Subject: Re : those portable SW receivers

> Hello again ;
>

> With reference to my post about those little portable SW receivers,
> there was a question I forgot to
> ask - was only on my first cup of coffee.
>
> I looked at the external antenna jack on the Sony ICF 2003 with a
> magnifying glass. It appears to
> take a 1/8 inch stereo phone plug. (strikes me as a bit odd). Would
> anybody out there know what
> the connections are to wire up an external antenna to this beast ? At the
> moment, I'm using about
> 20 feet of speaker wire and a cliplead to the telescoping whip. A bit
> awkward, but it works.
>
> Thanks !
>
> TNX / 73
> SK
> Mark Mohr
>
>

Date: Wed, 5 Sep 2001 14:59:05 -0400
From: "Larry Spinner" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106499] Outbacker and FT-817
Message-ID: <0E24uu4Y2U4WfkTh79j0000438e@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

It appears Alpha Delta has entered the FT-817 frenzy with their latest product offerings. It's a new portable antenna and mount called "The Joey". Seems kind of pricey for something that Vern (Superantennas) is already doing. At least with Vern, one saves a C-note...

www.alphadeltacom.com

73,

N2ICZ

Date: Wed, 5 Sep 2001 13:10:03 -0600
From: "Rod Cercone, N0RC" <rod@n0rc.com>
To: <n2icz@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106500] Re: Outbacker and FT-817
Message-ID: <00ad01c1363e\$5e558620\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

HMMM!

----- Original Message -----

From: "Larry Spinner" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 05, 2001 12:59 PM
Subject: Outbacker and FT-817

> Gang,
>
> It appears Alpha Delta has entered the FT-817 frenzy with their
latest
> product offerings. It's a new portable antenna and mount called
"The Joey".

The mount looks exactly like a camera tripod I bought from REI a few
years back.

73, Rod N0RC
Ft Collins, CO

Date: Wed, 5 Sep 2001 14:06:43 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [106501] Baluns a new perspective
Message-ID: <Pine.LNX.4.33.0109051340550.7774-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well ladies, heard a lot about baluns on this list, and there was a lot of things said about the joys of either the 4:1 "Voltage" and the 1:1 "Current" types. You can find the circuits for both in the ARRL Handbook and no-where do they tell you one is better than the other.

In my measurement of the MFJ garden variety C-L-C tuner I have discovered an interesting thing. This tuner is very tolerant of loads that are larger than 50 ohms. At loads lower than 50 ohms it sucks! The thing is very difficult to adjust, and when adjusted it has high loss. So, if there is a way to make loads as high as possible, it should be used.

MFJ uses a 4:1 balun and it's not the best choice. This balun, when it's working, reduces the load impedance by a factor of 4. In other words if the balanced feedline had an impedance of 40 ohms, it gives the tuner a 10 ohm load! The tuner doesn't like that.

Also the 4:1 balun breaks down under low impedance loads. I was able to ground the center point of 2 100 ohm resistors as a balanced load and it had zero effect on the tuner. With 2 10 ohm resistors the center point shifted all over the map. It changed the SWR of the Vectronics Analyser from 1:1 to 6.7:1!

In summary, let me say without any bias that it is better to have a 1:1 balun in an MFJ 945B tuner. Why MFJ puts a 4:1 into them is a mystery since they are well built and very good tuners. I will look into changing mine to 1:1 and perhaps I will learn why MFJ uses 4:1....:-)

Check out my web page for new data that I have gathered. Finally found some tuner loss and will talk about that there.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Wed, 5 Sep 2001 14:19:11 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [106502] XM-2 Tuner
Message-ID: <Pine.LNX.4.33.0109051407280.7774-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This tuner uses a iron toroid because it's a narrow band device and you don't need a wide band toroid. The ZM-2 is NEVER in perfect resonance because the transformer must look inductive, but it's close to being in resonance.

Now that I have seen a good ferrite core toroid balun break down under low resistance loads the ZM-2 looks a lot better. It was pointed out to me that this tuner has it's roots in the Harvey Wells Transmitters of the 1950's. I do recall this rig always matched a balanced line well without a tuner.

I'm convinced the ZM-2 is a good tuner from measurements made by Bob Kellog in 1997. It takes a good balance of over coupling and high Qu to get that good performance. I'm sure Emtec has experimented with windings and all such things coming up with the ZM-2, but I would like to experiment too. Re-invent the wheel.'

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Wed, 5 Sep 2001 16:30:03 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <jamesd1@flash.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106503] Re: Powdered Iron Cores!!!!
Message-ID: <1010805163003.QAA21814@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/1/01 5:34 PM, James R. Duffey at jamesd1@flash.net wrote:

>5. For a current balun, the loss of the core material does not matter.

Actually, this isn't true. It depends on the type of current balun.

>This

>is due to the fact that the core only sees the magnetic field induced by the
>common mode current that we are trying to eliminate.

This is partly true of W2DU and W1JR baluns, where the inductive cores are placed on the exterior of a coaxial transmission line. In these

cases, the core sees roughly half of the output voltage to the antenna. (assuming an antenna symmetric with ground) This voltage will energise the core. Hopefully, the impedance of this outer inductance is much higher than the antenna feed. In any case, the induced currents in the core will be released as heat, if the losses are high.

For a Guanella balun, core material is important, since the core will see the full current flowing to the antenna.

>It doesn't matter if
>this is dissipated as heat, we are rid of it and that is that.

For many types of core materials, heat is a problem, since a little heating causes greater losses, and so on until you reach the loss tangent point -- at which the core will heat up to the Curie temperature, at which point it stops being an inductive core.

>Now for QRO
>use, the heat may cause failure in the balun, but at QRP levels, it will not
>matter.

If you choose a really poor core material, you could conceivably reach Curie temperature with QRP power.

>The core does not see the feedline current that we are trying to get
>to the antenna. The current is in opposite directions in the feedline and the
>induced magnetic field in the core is zero as a result.

Not true for a Guanella balun.

>If we wind the balun
>with coax, the core is shielded from the transmission line currents by the
>coax.

Hence, the W2DU and W1JR baluns.

>Again, the problem is with the balun design, not the core material. The
>difficulties you have seen with iron core baluns is due to the use of a 4:1
>voltage balun design, not the iron core.

Voltage balun designs can work, if properly designed. Current baluns are just more suitable for amateur work.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 05 Sep 2001 16:43:12 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Subject: [106504] Contact Cleaner Question
Message-ID: <5.0.2.1.0.20010905163120.00a96ce0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Dear Gang
My favorite contact cleaner seems to be unavailable.(Channel Master Color Shield).
The can says "div of Avnet".I've been searching Google with no luck. The stuff smells like an unwashed armpit but is ok for plastics and contains a stable lubricant. (maybe a light grade of silicone oil).
Can any one recommend a similar product?
Tnx es 73
Pete NV4V

Date: Wed, 5 Sep 2001 16:45:11 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <jamesd1@flash.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106505] Re: Powdered Iron Cores!!!!
Message-ID: <1010805164512.QAA22701@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/1/01 9:32 PM, James R. Duffey at jamesd1@flash.net wrote:

>"This being the case explain why LDG and MFJ both ship out 4:1 baluns?"
>
>2.Old myths die hard. The performance of both tuners would be better if the
>4:1 baluns were replaced with 1:1 current baluns. Again I refer you to the
>fine article by W7EL in Antenna Compendium 1, which has quantitative
>information that the current balun outperforms the voltage balun. Read it
>and then ask yourself "why do LDG and MFJ both ship out voltage baluns?"
>
>"I had I nice chat with an expert at the Fort Tuthill Hamfest. He
>told me this: I was making a balun on coax by sliding beads over it. About
>4 or 5 seems to work. I suggested we should use powdered iron since it's

>so loss prone. The Expert said NO use ferrite. We don't want to loose any
>power at QRP levels."

Ferrite has a lower Q than powdered iron at typical frequencies. Of course, ferrite has a much higher permeability than powdered iron of the same size. Powdered iron can withstand much higher magnetic flux. So, there's a trade-off here. You can make a smaller balun with ferrite beads, but the powdered iron design might handle larger currents.

>Who was the expert? You will need more than 4 or 5 beads to make an
>effective balun. 18 inches or more of beads are required.

Depends on the type of beads, and the frequency range. I recently built a balun for an A3S tribander. I had a bunch of FB-1012-43 (I think that's right) beads. These guys were big enough to slip over RG-213, and about 1.15" long. I got them cheap from a surplus supplier.

I computed that for a 7-30 MHz balun, I needed about 8-12 beads. I think I used 10. The resulting balun is about a foot long.

Type 43 material isn't optimum for HF. It's impedance (which is almost purely resistive) peaks at 200 MHz. It would make a crummy balun for 1.8 MHz, but does ok at 7 MHz, and works great at 30 MHz. Type 77 material would require fewer beads.

>With bead baluns
>ferrite is almost required as the permeability must be high. Ferrite has
>high permeability. High permeability is required as the inductance is only
>provided by one turn around the core in a bead balun.

If you have lower permeability of powdered iron, you just need more beads / cores. It just makes the whole business bigger. One benefit of powdered iron is a much higher tolerable magnetic flux.

>With multiple turns,
>as with a toroid or rod, the inductance goes as n^2 so a much lower
>permeability core can be used to obtain the same inductance. These lower
>permeability cores usually have lower losses.

One reason to consider at W1JR design, especially for QRP.

With sufficient turns, a W1JR balun would work fine on a Powdered iron core -- even the ubiquitous T200-2 (red mix) core.

>Again, you won't lose any
>power as the cores only act on the unwanted common mode currents.

Core loss is still a consideration. You can reduce loss by increasing the

size of the core, or increasing the number of turns. (Raising the impedance, which losses the current in the core)

One mitigating factor is not to have too many turns. Inter-turn capacitance causes the self-resonant frequency of the inductor to drop as you add turns. As you get above the parallel-resonant frequency of the inductor, it's reactance becomes increasingly capacitive. Near the series-resonant frequency, it stops acting as a balun.

As for core size, the biggest ferrite core you can commonly get is the FT240. Amidon does sell very large powdered iron cores, such as the T500. They get expensive when they get big, though.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 05 Sep 2001 16:54:55 -0400
From: John Wagner <john@wagner-usa.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106506] MFJ-407c - need parts info
Message-ID: <3B96911F.8987D8C2@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you happen to own a MFJ-407c, or have a schematic, could you email me what type of transistor(s) Q1, Q2, Q3 and Q4 are? Probably no need to reply to the list - be glad to forward the info if anyone is interested too.

Thanks!

73 de John, N1Q0

--
John Wagner - john@wagner-usa.net
Web page: <http://www.neknetwork.com>

Date: Wed, 5 Sep 2001 14:58:26 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>
To: Bill Coleman <aa4lr@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106507] Re: Powdered Iron Cores!!!!
Message-ID: <Pine.LNX.4.33.0109051450500.7891-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Your both wrong I think.

On Wed, 5 Sep 2001, Bill Coleman wrote:

> On 9/1/01 5:34 PM, James R. Duffey at jamesd1@flash.net wrote:
>
> >5. For a current balun, the loss of the core material does not matter.
>
Well yes it does. Any heating of a core material is wasted power, loss not desired.

> Actually, this isn't true. It depends on the type of current balun.
>
> >This
> >is due to the fact that the core only sees the magnetic field induced by the
> >common mode current that we are trying to eliminate.
>

You use a iron or ferrite core to cut down on the number of turns of wire required. Seems MFJ has more wire than cores since their new tuners have air wound toroids.

If you want a balun to work properly from 1.8 to 30 MHz you use a ferrite toroid. If your making one to operate on just 40 meters you can use iron.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Wed, 5 Sep 2001 15:03:34 -0600
From: "Jason Nochlin" <jman0iin@home.com>
To: <qrp-1@Lehigh.EDU>

Subject: [106508] Re: Crazy idea
Message-ID: <007201c1364e\$39aa5de0\$ccad0f41@aurora1.co.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Are their cell phones on during the day anyway?

-Jason KC0IIN

Date: Wed, 05 Sep 2001 14:14:02 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106509] Re: Powdered Iron Cores!!!!
Message-ID: <999724442.3b96959aaf32e@mail.getnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

The ferrite works better as a balun since it dissapates all the unbalanced currents.

Powdered iron and air wound coils dissapate less since they usually are higher Q and lower loss.

You can get higher Q with ferrite material by using a rod or a large airgap in the magnetic path. Most of the power is in the air gap which is lossless. The wire loss increases with longer wire and thinner wire. The powdered iron or ferrite core decreases the wire loss by decreasing the required wire length.

Jim FitzSimons W7ANF

Quoting "Karl F. Larsen" <k5di@zianet.com>:

>
> Your both wrong I think.
>
> On Wed, 5 Sep 2001, Bill Coleman wrote:
>
> > On 9/1/01 5:34 PM, James R. Duffey at jamesd1@flash.net wrote:
> >
> > >5. For a current balun, the loss of the core material does not
> matter.
> >
> Well yes it does. Any heating of a core material is wasted power, loss

> not
> desired.
>
>
> > Actually, this isn't true. It depends on the type of current balun.
> >
> > > This
> > > is due to the fact that the core only sees the magnetic field induced
> by the
> > > common mode current that we are trying to eliminate.
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> You use a iron or ferrite core to cut down on the number of turns
> of wire required. Seems MFJ has more wire than cores since their new
> tuners have air wound toroids.
>
> If you want a balun to work properly from 1.8 to 30 MHz you use a
> ferrite toroid. If your making one to operate on just 40 meters you
> can
> use iron.
>
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.qsl.net/k5di/>
>
>

Date: Wed, 5 Sep 2001 16:23:00 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [106510] Re: Baluns a new perspective
Message-ID: <01c201c13650\$f0fa3ea0\$e90c4d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl, my 25 + years of playing with baluns and tuners have established the same fact; the 4:1 balun is wrong in most cases. I can easily match most loads with the 1:1 balun and for the same reason: tuners do not like very lo Z loads. All of my tuners are homebrew and usually use the modified differential "T" design and are very flexible but very few, if any, tuners like lo Z loads. I think the confusion comes from some abstract thinking that 450 ohm open wire line is actually 450 ohms on a multiband antenna.

Mike Branca W3IRZ in Conyers Georgia

Date: Wed, 5 Sep 2001 17:34:32 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: "Karl F. Larsen" <k5di@zianet.com>, "Bill Coleman" <aa4lr@arrl.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106511] Re: Powdered Iron Cores!!!!
Message-ID: <1010805173433.RAA28597@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/5/01 4:58 PM, Karl F. Larsen at k5di@zianet.com wrote:

>
>Your both wrong I think.
>
>On Wed, 5 Sep 2001, Bill Coleman wrote:
>
>> On 9/1/01 5:34 PM, James R. Duffey at jamesd1@flash.net wrote:
>>
>> >5. For a current balun, the loss of the core material does not matter.
>>
>Well yes it does. Any heating of a core material is wasted power, loss not
>desired.

A properly designed balun should have minimal loss in the core. It's not possible to eliminate all losses with current materials.

>> >This
>> >is due to the fact that the core only sees the magnetic field induced by the
>> >common mode current that we are trying to eliminate.
>>
> You use a iron or ferrite core to cut down on the number of turns
>of wire required. Seems MFJ has more wire than cores since their new
>tuners have air wound toroids.

Air wound toroids have their own disadvantages.

> If you want a balun to work properly from 1.8 to 30 MHz you use a
>ferrite toroid. If your making one to operate on just 40 meters you can
>use iron.

Another good point -- it's easier to broadband with a ferrite core than

with powdered iron. But it's certainly possible to cover a number of bands effectively with a powdered iron core. 1.8 to 30 MHz might be ambitious, but 1.8-15 would not be.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 5 Sep 2001 17:36:26 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <cherry@getnet.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106512] Re: Powdered Iron Cores!!!!
Message-ID: <1010805173627.RAA28919@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/5/01 5:14 PM, cherry@getnet.net at cherry@getnet.net wrote:

>The ferrite works better as a balun since it dissapates all
>the unbalanced currents.

The purpose of a balun is to INHIBIT unbalanced currents, not to burn them off.

>Powdered iron and air wound coils dissapate less since they
>usually are higher Q and lower loss.

Lower loss is GOOD -- it means less power is used to create heat. All the power that doesn't create heat is radiated.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 5 Sep 2001 15:57:56 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike Branca <w3irz@att.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106513] Re: Baluns a new perspective
Message-ID: <Pine.LNX.4.33.0109051554280.7966-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike I think that's the problem. If your using 450 ohm line...but the REAL point is your using a balanced feedline of undisclosed feedpoint impedance and you need to make it unbalanced and then transform to 50 ohms.

Glad to be on your 25+ years side at last.

On Wed, 5 Sep 2001, Mike Branca wrote:

> Karl, my 25 + years of playing with baluns and tuners have established the
> same fact; the 4:1 balun is wrong in most cases. I can easily match most
> loads with the 1:1 balun and for the same reason: tuners do not like very lo
> Z loads. All of my tuners are homebrew and usually use the modified
> differential "T" design and are very flexible but very few, if any, tuners
> like lo Z loads. I think the confusion comes from some abstract thinking
> that 450 ohm open wire line is actually 450 ohms on a multiband antenna.
>
> Mike Branca W3IRZ in Conyers Georgia
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Wed, 5 Sep 2001 18:15:52 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: "Karl F. Larsen" <k5di@zianet.com>, "Bill Coleman" <aa4lr@arrl.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106514] Re: Resonant vs. Nonresonant Antenna
Message-ID: <1010805181554.SAA02749@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/22/01 8:04 PM, Karl F. Larsen at k5di@zianet.com wrote:

>

> Bill your not being careful with your definitions. I like the
>Engineering approach that breaks the whole into parts that are more easy
>to study and understand. So here is what I like:

- >
- > 1. Antanna
- >
- > 2. Antenna feed point.
- >
- > 3, Feed Line
- >
- > 4. Antenna Tuner
- >
- > 5. Radio

Consider components 1-4 as the "antenna system". It doesn't matter what the impedance of component 1 is, if the tuner properly matches it, you have a conjugate match throughout -- a resonant antenna system.

The only remaining issue is loss within each component 1-4 of the antenna system.

> Now look at a simple dipole in space that is 1/2 wavelength and
>fed at the center. While it's true the feed point impedance is a pure
>resistance, this does NOT define that it's a 1/2 wave dipole in space.

>

> The feed line should be balanced since the antenna is balanced. We
>should use 70 ohm open line to best match the antenna. But then you need
>the antenna tuner to match the 70 ohms balanced to 50 ohms unbalanced.

>

> Now in Real conditions the impedance of the dipole feedpoint will
>drop to near 50 ohms and so you can feed it with 50 ohm coax. You should
>put a balun at the feed point which can be 4 small ferrite beads slipped
>over the coax. Your radio will load this antenna fine and it will radiate
>a good signal launched at about 30 degrees above the horizon.

You lost me at the 4 small ferrite beads. That may or may not constitute a good balun, depending on the size, type and composition of the beads at the intended operating frequency (and power), as well as the impedances of the system.

> A 100 foot wire fed at the center with 450 ohm feedline will in
>general be mis-matched at the antenna and at the radio so you must have an
>antenna tuner to match the impedance at the tuner input to 50 ohms
>resisive at the output.

Didn't you have an antenna tuner (component 4) in the example above?

>If you do nothing at the antenna then the feedline

>will have a very high swr and it will radiate, and to some extent heat up
>at points where the impedance is very low.

NO, no, no, no, no, no, no!

High SWR does NOT cause feedline radiation. Feedline radiation is caused by imbalances in the currents for open wire or coax (in coax you find them as common-mode currents). If you have balanced feedline currents, you'll have nearly nil feedline radiation -- regardless of the SWR.

As regards heating -- heating can only occur where there is loss. Since the loss of open wire is small compared to coax, we don't care as much about SWR. Loss is magnified by SWR due to reflections. But it's quite interesting that you can have an open wire feedline with a high SWR that actually has LESS loss than coax driving a perfectly matched antenna.

>This loss is small in open wire
>feedlines at HF frequencies. It can, and often does cause high voltage RF
>to appear at the antenna tuner, which can cause rf feedback to mikes and
>other things near the tuner.

This is a new one on me. The TUNER doesn't cause rf feedback. Perhaps the FEEDLINE is coupling to other things in the shack. If that's a problem, move the tuner outside the shack, or use a remote balun.

> Again, if we look at a resonant dipole, if you feed that with 450
>ohm line, your putting a large mis-match $450/50 = 9:1$ swr at the feed
>point.

Two points. If you have a resonant dipole perfectly matched to 50 ohms -- why not feed it with coax? You're setting up the problem to make open wire look bad. The SWR will be even worse if you use 600 ohm open wire. But the losses may be even lower, since 600 ohm open wire was less loss than 450 ohm window line.

Second point. We typically advocate the use of open wire with non-resonant antennas. That 100 foot doublet isn't self-resonant on any ham band. So, it isn't a perfect 50 ohms to start with. Ironically, it is probably a closer match to the 450 or 600 ohms.

>Depending on the length of the feed line, the impedance at the
>antenna tuner can be very high to very low. This puts a huge load on the
>tuner.

Please define "huge load" used in this context.

So long as the tuner can properly match the impedance involved, there's no problem with putting a "huge load" on the tuner. It's relatively easy

to make a low-loss tuner to match a wide variety of impedances.

I think you're getting bent out of shape due to SWR and weird impedances. The key to antenna efficiency is minimizing LOSS, not getting perfect SWR or 50ohm impedances.

> The G5RV, named after it's designer the late G5RV, is as he wrote
>not a very good antenna but it is easy to load on 20 meters where it's
>resonant, and also on all other Ham bands from 80 to 10 meters. This
>antenna is in wide use because a coax to coax tuner will work.

It certainly will, but if fed with open wire, it will have far less loss, and be a lot more efficient.

>He defines
>a 300 ohm feedline as 29 feet long which seems to keep the impedance
>matches within a resonable bounds.

The 300 ohm feedline helps to match the extended double zepp at 20m, but it really doesn't do much on the other bands.

> I like a 40 meter dipole that has switches at points that shorten
>the dipole so it's resonant at 30, 20, 17 and 15 meters, fed with 50 ohm
>coax with a balun at the feed point. A tuner is not required on any band.

That certainly works. However, when you change bands, you have to go flip the switches.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 5 Sep 2001 16:44:17 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu, plburbank@kih.net
Subject: [106515] Re: Contact Cleaner Question
Message-ID: <20010905.164419.-384239.1.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Two that I use are Blue Shower which I think is quite good - company is Tech Spray out of Amarillo, TX,

and the other is DeOxit by Caig Co, San Diego.
The one that I had when still working, and it was
a silicone based cleaner was Wish by Workman
Electronics out of Sarasota, Fl. It does specifically
state on the back of the can "safe for plastics.
Both the Blue Shower and the Wish were available
from the regular parts whosaler whe the DeOxit from
Antique Electronic Supply out of Tempe, Az.

73

Ray

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78
fp #111 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

End of QRP-L Digest 2303

